

\$25

00000000 00000000 00000000000000000000	000000 00 00 00 00	NN	\$	000000 00 00 00 00	
		\$			

VAX-11 Bliss-32 V4.0-742 PARTICIONSOLE.B32;1

0016

0018

0019

0054 0055

0056

1 !\*

1 !\*

MODULE console (IDENT = 'V04-000') = BEGIN

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FACILITY: DECnet V2.0 event logger

ABSTRACT:

This module contains all console display formatting routines for the event receiver.

**ENVIRONMENT:** 

VAX/VMS operating system. unprivileged user mode,

AUTHOR: Tim Halvorsen, June 1980

Modified by:

V03-019 MKP0001 Kathy Perko 12-June-1984
Add Ethernet address to Network Management events. And increase size of OPCOM message buffers.

V03-018 PRB0327 Paul Beck 5-Apr-1984 22:14
No longer suppress display of area 1.

V017 TMH0017 Tim Halvorsen 20-Sep-1983 Add support for DECnet/PLUTO events (simply avoid printing 'Parameter #n =' for these events). Fix printing area numbers for area #1.

V016 TMH0016 Tim Halvorsen 26-Apr-1983 Add "verification password required from PH3 node" and

CONSOLE V04-000			G 13 16-Sep-1984 01:31:10 VAX-11 Bliss-32 V4.0-742 Page 2 14-Sep-1984 12:28:46 DISK\$VMSMASTER:[EVL.SRC]CONSOLE.B32;1 (1)
: 58	0058 1 !		"dropped by adjacent node" reasons.
58 59 601 601 603 605 607 607 701 773 775 777	0058 1   0059 1   0060 1   0061 1   0062 1   0063 1	V015	TMH0015  Tim Halvorsen  08-Apr-1983  Make ECOs approved during the March 1983 DRG meetings.  Add support for DECnet/SNA Gateway events (simply avoid printing 'Parameter #n ='' for these events).  Suppress printing area numbers for area #1.
66	0066 1 1 0067 1 1 0068 1 1	V014	TMH0014 Tim Halvorsen 28-Nov-1982 Add extra blank line after each formatted event, to help make each one more readable.
70 71 72 73	0061 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	V013	TMH0013 Tim Halvorsen 16-Nov-1982 Display area addresses correctly. Add formatting for new NODE and DTE event parameters for event class 0.
75 76	0074 0075 1 0076 1	V012	TMH0012 Tim Halvorsen 08-Nov-1982 Fix display of DTE old/new state.
78 79 80 81 82 83 84 85 86 87 88 89 90	0078 1 1 0079 1 1 0080 1 1 0081 1	V011	TMH0011 Tim Halvorsen 26-Sep-1982 Add X.25 counters and VMS-specific events. Add 'module' to the list of entities which are identified before the actual parameters.
83	0083 1 1 0084 1 1	V010	TMH0010 Tim Halvorsen 29-Jul-1982 Add Phase IV event parameters.
86	0086 1 1 0087 1	V009	TMH0009 Tim Halvorsen 20-Jun-1982 Update list of line and circuit counters.
89	0089 1 1 0090 1	V008	TMH0008 Tim Halvorsen 28-Dec-1981 Add PCL-11B and UNA counters.
: 92	0092 1 1 0093 1 1 0094 1 1	V007	TMH0007 Tim Halvorsen 19-Aug-1981 Change text of CRC remote node parameter.
95	0095 1 1	V006	TMH0006 Tim Halvorsen 05-Aug-1981 Add DAP CRC event formatting
93 94 95 96 97 98 99 100 101 102	0097 1 1 0098 1 1 0099 1 1 0100 1 1	V005	TMH0005  Tim Halvorsen 08-Jul-1981 Add PCL11-B line counters, and new 2.2 events and parameters. Increase maximum size of output strings sent to OPCOM (monitor) to 512, as a result of enhancements made to OPCOM and \$BRDCST.
103	0103 1 1 0104 1 1 0105 1	V004	TMH0004 Tim Halvorsen 07-Jul-1981 Use SHRLIB\$ rather than LIB\$ for NMALIBRY.L32.
104 105 106 107 108	0106 1 0107 1 0108 1	V003	TMH0003 Tim Halvorsen 05-Jan-1981 fix decoding of line service status and display error message associated with status.
108 109 110 111 111 112 113	0110 1 0111 1 0112 1 0113 1	V002	TMH0002 Tim Halvorsen 19-Nov-1980 Make formatting routines callable with an action routine to actually perform the output. This allows the monitor sink output routine to use the formatting routines as well as the console sink.

H 13 16-Sep-1984 01:31:10 14-Sep-1984 12:28:46 CONSOLE VO4-000 VAX-11 Bliss-32 V4.0-742 Page DISK\$VMSMASTER:[EVL.SRC]CONSOLE.B32;1 TMH0001 Tim Halvorsen 17-Nov-1980 Remove noise words in formatted event output to reduce overall size of the output message so that it won't be truncated by OPCOM. Write the formatted output to SYS\$OUTPUT if we are logging received events. V001 Include files LIBRARY 'SYS\$LIBRARY:STARLET'; ! VAX/VMS common definitions LIBRARY 'SHRLIB\$: NMALIBRY'; ! Get counter type definitions LIBRARY 'LIBS: EVCDEF'; ! Event data definitions 1 REQUIRE 'LIBS: EVLDEF'; ! Facility definitions

```
CON
VO4
```

```
I 13
16-Sep-1984 01:31:10
14-Sep-1984 12:28:46
CONSOLE
VO4-000
                                                                                                                                   VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [EVL.SRC] CONSOLE.B32;1
    Table of contents
                                   FORWARD ROUTINE
                                         format_event:
append_strings:
format_parameter:
unknown_parameter:
unknown_param_data:
format_counter:
                                                                        NOVALUE,
                                                                                                  format an event record
Append a string to another string
format a NICE parameter
                                                                        NOVALUE,
                                                                                                  Format an unknown parameter format unknown parameter data format a NICE counter
                                                                        NOVALUE,
                                                                       NOVALUE,
                                                                        NOVALUE,
                                          format_nodeadr;
                                                                                                  Format a area/node address
                       Define macro for message reporting
                                   MACRO
                                         msq(ident) =
                                               BEGIN

%IF NOT %DECLARED(%NAME('evl$_',ident))

%THEN EXTERNAL LITERAL %NAME('evl$_',ident); %FI
%NAME('evl$_',ident)
                                      Define a macro for constructing output strings
                                   MACRO
                                         append(string) =
                                                append strings(desc, UPLIT BYTE(%ASCIC string)
%IF %LENGTH GTR 1 %THEN , %REMAINING %FI)%;
                                      Literals
                                   LITERAL
                                         true = 1,
false = 0,
                                         max_output = 512;
                                                                                               ! Maximum length of output string
                                      External storage
                                   EXTERNAL
                                        evl$gl_logmask:
                                                                       $BBLOCK:
                                                                                                ! Internal logging mask
                                      External routines
                                   EXTERNAL ROUTINE evisualian,
                                                                                                ! Convert julian half-day time
                                                                                                ! Add work to work queue
                                          wkq$add_work_item;
```

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J 13
16-Sep-1984 01:31:10
14-Sep-1984 12:28:46
CONSOLE
                                                                                                                                                                                                                                                                   VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER: [EVL.SRC]CONSOLE.B32;1
        Define all known events and the associated message text
                                                                      MACRO
                                                                                 evtdecl [name] = %NAME('evt$_',name)%,
evtdef [name] = WORD(%NAME('evc$c_',name)),LONG(msg(name))%,
event_list [] =
    EXTERNAL LITERAL evtdecl(%REMAINING);
    BIND known_events = UPLIT(evtdef(%REMAINING),LONG(0))%;
                                        event_list(
                                                                                            ist(
nma_los,
nma_anc,
nma_alc,
nma_lcz,
nma_lcz,
nma_ncz,
nma_psl,
nma_abs,
nma_ctr,
nma_zer,
                                                                                             scl_lns,
scl_acr,
                                                                                             nsl_ims,
nsl_ifc,
nsl_dbr,
                                                                                             tpl_apl,
tpl_upl,
tpl_opf,
tpl_ofm,
tpl_pfm,
tpl_cds,
tpl_cds,
tpl_isf,
tpl_isf,
tpl_isf,
tpl_isf,
tpl_ach,
tpl_ach,
tpl_ach,
tpl_lach,
tpl_lach,
tpl_lach,
                                                                                              dll_lsc,
dll_rsc,
dll_prs,
dll_snd,
dll_ret,
```

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K 13
16-Sep-1984 01:31:10
14-Sep-1984 12:28:46
CONSOLE
VO4-000
                                                                                                                                                                                                                                          VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[EVL.SRC]CONSOLE.B32;1
                                                                                                                                                                                                                                                                                                                                                        (2)
                                                                                     dll_slc,
dll_bhf,
dll_sad,
dll_stt,
dll_lbs,
                                         dll_rst,
dll_stc,
dll_rme,
dll_ifl,
dll_sfl,
dll_rfl,
dll_cdc,
dll_dtu,
dll_dtd,
                                                                                    pll_dsr,
pll_rin,
pll_car,
                                                                                     pll_mem,
                                                                                    pll_com.
                                                                                    pil_pfm,
                                                                                    vms_dbc,
vms_dpc,
vms_dp2,
                                                                                     vms_pcr,
                                                                                    vms_ptr);
                                                                    Define all known counters and the associated message text
                                                               MACRO
                                                                         ctrdecl [name] = %NAME('evl$_',name)%,
ctrdef [name] = WORD(%NAME('nma$c_',name)),LONG(msg(name))%,
counter_list [] =
    EXTERNAL LITERAL ctrdecl(%REMAINING);
    BIND known_counters = UPLIT(ctrdef(%REMAINING),LONG(0))%;
                                         0696
0697
0698
0699
0700
0701
0702
0703
0704
0705
0706
0707
0711
0712
0713
                                                               counter_list(
                                    ctnod_zer,
ctnod_brc,
ctnod_bsn,
ctnod_mrc,
                                                                                    ctnod msn.
                                                                                   ctnod_crc,
ctnod_csn,
ctnod_rto,
ctnod_rse,
ctnod_mll,
                                                                                   ctnod_mtt,
ctnod_apl,
ctnod_nul,
ctnod_opl,
ctnod_pfe,
ctnod_rul,
ctnod_ver,
```

CONSOLE V04-000		L 13 16-Sep-1984 01:31:10 14-Sep-1984 12:28:46	VAX-11 Bliss-32 V4.0-742 Page 7 DISK\$VMSMASTER:[EVL.SRC]CONSOLE.B32;1 (2)
307 308 P 0715 1 308 P 0716 1 310 P 0717 1 311 P 0718 1 P 0717 1 311 P 0719 1 311 P 0721 1 311 P 0722 1 P 0722 1 P 0722 1 P 0722 1 P 0723 1 P 0724 1 P 0725 1 P 0726 1 P 0731 1 P 0733 1 P 0745 1 P 0745 1 P 0745 1 P 0746 1 P 0747 1 P 0756 1 P 0756 1 P 0757 1 P 0758 1 P 0757 1 P 0758 1 P 0768 1 P 0768 1 P 0768 1 P 0769 1	ctcir_apr, ctcir_dcl, ctcir_tpr, ctcir_bshy, ctcir_dbs, ctcir_dbe, ctcir_de, ctcir_lpe,		

366	CONSOLE V04-000		M 13 16-Sep-1984 01:31:10 14-Sep-1984 12:28:46	VAX-11 Bliss-32 V4.0-742 Page 8 DISK\$VMSMASTER:[EVL.SRC]CONSOLE.B32;1 (2)
	364 P 0771 1 P 0772 1 P 0773 1 P 0774 1 P 0775 1 P 0776 1 P 0776 1 P 0776 1 P 0777 1 P 0778 1 P 0779 1	ctlin_rrt, ctlin_rbe, ctlin_sie, ctlin_sie, ctlin_sit, ctlin_stl, ctlin_stl, ctlin_rfl, ctlin_rfl, ctlin_ufd, ctlin_upe, ctlin_upe, ctlin_mbs, ctlin_mbs, ctlin_mse, ctlin_mse, ctlin_mse, ctlin_mse, ctlin_se, ctlin_se, ctlin_se, ctlin_rme, ctlin_mse, ctlin_rme, ctl		

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N 13
16-Sep-1984 01:31:10
14-Sep-1984 12:28:46
CONSOLE
VO4-000
                                                                                                                      VAX-11 Bliss-32 V4.0-742 Pa
DISK$VMSMASTER: [EVL.SRC] CONSOLE.B32;1
   GLOBAL ROUTINE format_event (event, event_length,
                                                                output_routine, output_parm): NOVALUE =
                                          Output an event record to the console sink.
                                  Inputs:
                                          event = Address of event record event_length = Length of event record
                                          output_routine = Address of routine to call for each formatted line
                                          output_parm = Optional parameter to be sent to output routine
                                  Outputs:
                                          None
                                BEGIN
                                MACRO
                                     new_line = BEGIN
                                          (.output_routine)(.output_parm, desc, .short_form); ! Call output action routine
                                                                                                ! Reset descriptor length
                                          END%:
                               MAP
                                     event:
                                                     REF $BBLOCK:
                                                                                     ! Address of event record
                               LOCAL
                                                    REF $BBLOCK,
ds, msecs,
d: BYTE, Boolean; true if comma needed on line
VECTOR [2], Converted 64-bit system time
Length of short form of display
VECTOR [2], Descriptor of output buffer
VECTOR [max_output,BYTE]; Output buffer (extra for counters)
                                     ptr:
days, seconds, msecs,
BYTE,
                                     time:
                                     short_form,
                                     desc:
                                     buffer:
                               desc [0] = 0;
desc [1] = buffer;
                                                                                     ! Setup descriptor of buffer
                                short_form = -1;
                                                                                     ! Indicate no short form yet
                                append('DECnet event !UL.!UL', .event [evt$v_class], .event [evt$v_type]);
                                INCRA ptr FROM known_events BY 6
                                                                                     ! Scan known event table
                                     BEGIN
                                     MAP ptr: REF $BBLOCK;
IF ..ptr EQL 0
THEN
                                                                                     ! If end of table,
                                         EXITLOOP; ! then exit with failure event [evt$w_code] EQLU .ptr [0,0,16,0] ! If known event,
                                     THEN
                                          BEGIN
                                          LOCAL
```

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CONSOLE
VO4-000
                                                                                       16-Sep-1984 01:31:10
14-Sep-1984 12:28:46
                                                                                                                       VAX-11 Bliss-32 V4.0-742 PEDISK$VMSMASTER: [EVL.SRC] CONSOLE.B32;1
                                                                 VECTOR [128,BYTE], ! Message text buffer VECTOR [2]; ! Message text descriptor
                                                 textbuf:
                     0871
0872
0873
0874
0875
0876
0877
                                           text: VECTOR [2];
text [0] = 128;
text [1] = textbuf;
$GETMSG(MSGID = .ptr [2,0,32,0],
   466890123456789012346488890123
4677777777778901234688890123
                                                                                         Setup descriptor
                                                                                                  ! Get message text
                                          MSGLEN = text,
FLAGS = 1);
append(', !AS', text);
EXITLOOP;
END:
                                                                                       ! without any prefixing
                      0880
                                           END:
                     0881
0882
0883
                                      END:
                                new_line;
                                                                                       ! Start a new line
                      0884
                      0885
                                append('from node !AS', format_nodeadr(.event [evt$w_srcadr]));
                      0886
                     0887
                                IF .event [evt$b_srcnamlen] NEQ 0
                                                                                      ! If source node name supplied
                      0888
                                THEN
                     0889
                                      append(' (!AC)', event [evt$b_srcnamlen]);
                     0890
                     0891
                                days = .event [evt$w_julian];
seconds = .event [evt$w_seconds];
                                                                                       ! Get julian values
                     0892
                     0893
                                msecs = .event [evt$w_msecs];
                     0894
                     0895
                                evl$unjulian(days, seconds, msecs, time); ! Convert to system quadword time
                     0896
                     0897
                                append(', !%D', time);
                     0898
                     0899
                                new_line;
                                                                                         Start third line of message
   494
                     0900
                                comma_needed = false;
                                                                                       ! Start of line, no comma needed yet
                     0901
   496
                     0902
                                ptr = event [evt$t_srcnam] + .event [evt$b_srcnamlen]; ! Point to event entity
                     0903
   498
                     0904
                                SELECTU CH$RCHAR_A(ptr)
                                                                                      ! Select entity based on entity ID
   499
                     0905
                     0906
   500
   501
502
503
504
505
506
507
508
                     0907
                                      [evc$c_src_lin]:
                                                                 BEGIN
                     0908
                                                                 append('Line !AC', .ptr);
ptr = CH$RCHAR_A(ptr) + .ptr;
                     0909
                     0910
0911
0912
0913
0914
0915
0916
0917
0918
0919
                                                                 comma_needed = true;
                                                                 END:
                                     [evc$c_src_cir]:
                                                                 BEGIN
                                                                 append('Circuit !AC',
                                                                                               .ptr);
   509
510
511
                                                                 ptr = CH$RCHAR_A(ptr) + .ptr;
                                                                 comma_needed = true;
                                                                 END:
   512
513
514
515
                                      [evc$c_src_nod]:
                                                                 BEGIN
                      0920
                                                                 append('Node !AS', format_nodeadr(.ptr [0,0,16,0]));
                      0921
                                                                 ptr = .ptr+2;
   516
517
518
                     0922
0923
                                                                 IF CHSRCHAR (.ptr) GTRU 0
                                                                 THEN
                     0924
                                                                      append('(!AC)', .ptr);
                                                                 ptr = CH$RCHAR_A(ptr) + .ptr;
                      0926
   520
                                                                 comma_needed = true;
```

COL

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C 14
16-Sep-1984 01:31:10
14-Sep-1984 12:28:46
                                                                                                   VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[EVL.SRC]CONSOLE.B32:1
CONSOLE
VO4-000
                                                      END:
   [evc$c_src_are]:
                                                      BEGIN
                                                      append('Area !UB', .ptr [0,0,8,0]);
                                                      ptr = .ptr+1:
                                                      comma_needed = true;
                                                      END:
                               [evc$c_src_mod]:
                                                      BEGIN
                                                      append('Module !AC', .ptr);
                                                      ptr = CH$RCHAR_A(ptr) + .ptr;
                                                      comma_needed = true:
                               TES:
                           WHILE .ptr LSSU .event + .event_length ! Until end of event record
                               BEGIN
                               LOCAL
                  0946
0947
0948
0949
0951
0951
0953
0955
0957
0961
0963
09667
0968
0967
0967
0971
                                    startlen:
                                                                        ! Starting string length
                               IF .desc [0] GTR 45
                                                                        ! If line already too long,
                               THEN
                                    BEGIN
                                                                         then start another line
                                    new_line;
                                    comma_needed = false;
                                                                        ! Indicate no comma on start of line
                               startlen = .desc [0];
                                                                        ! Save starting string length
                               IF .comma_needed
                                                                        ! If comma needed,
                               THEN
                                    BEGIN
                                    append(', ');
                                                                        ! then add it
                                                                        ! and reset flag
                                    comma_needed = false;
                                IF .ptr [0,15,1,0]
                                                                        ! If counter data (bit 15),
                               THEN
                                   BEGIN
                                                                        ! If first counter,
                                    IF .short_form LSS 0
                                                                        ! set short form up to this point ! and trailing comma
                                        short_form = .startlen
                                    short_form = 0;
new_line;
                  0972
                                                                          else skip all counter output
                  0973
                                                                          start a new line
                  0974
                                                                        ! then format the counter; update ptr
                                    format_counter(desc, ptr,
                  0975
                                        .event + .event_length - .ptr);
                  0976
                  0977
                               ELSE
                                    0978
                                                                        ! else format the parameter; update ptr
                  0979
                  0980
                  0981
                  0982
0983
                                IF .startlen NEQ .desc [0]
                                                              ! If anything was appended to string,
```

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CONSOLE
VO4-000
                                                                           16-Sep-1984 01:31:10
14-Sep-1984 12:28:46
                                                                                                       VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[EVL.SRC]CONSOLE.B32:1
   578
579
581
583
584
585
586
587
                                     comma_needed = true;
                                                                           ! then insert a comma
                   0986
0987
                            If .desc [0] GTR 0
                                                                           ! If something in buffer,
                   0988
                            THEN
                   0989
                                new_line;
                                                                           ! Output the last line
                   0990
0991
                            new_line;
                                                                           ! Output one last blank line
                            END:
                                                                                       .TITLE
                                                                                                CONSOLE
\V04-000\
                                                                                       .PSECT
                                                                                                $PLIT$, NOWRT, NOEXE, 2
                                                               0000 00000 P.AAA:
                                                                                       . WORD
                                                           00000000G 00002
                                                                                       .LONG
                                                                                                EVL$_NMA_LOS
                                                               0001
                                                                      00006
                                                                                       . WORD
                                                           00000000G 00008
                                                                                       .LONG
                                                                                                EVL$_NMA_ANC
                                                               0002
                                                                                       . WORD
                                                           00000000 0000E
                                                                                       .LONG
                                                                                                EVL$_NMA_ALC
                                                               0003
                                                                                       . WORD
                                                                      00012
                                                           00000000G 00014
                                                                                       .LONG
                                                                                                EVL$_NMA_ALS
                                                               0004
                                                                                       . WORD
                                                                      00018
                                                           00000000G 0001A
                                                                                       .LONG
                                                                                                EVLS_NMA_LCZ
                                                               0005
                                                                      0001E
                                                                                       . WORD
                                                           00000000G 00020
                                                                                       .LONG
                                                                                                EVL$_NMA_NCZ
                                                               0006
                                                                                       . WORD
                                                           00000000G 00026
                                                                                       .LONG
                                                                                                EVL$_NMA_PSL
                                                               0007
                                                                                       . WORD
                                                                                                EVLS_NMA_ABS
                                                           00000000G 0002C
                                                                                       . LONG
                                                               8000
                                                                                       . WORD
                                                           00000000G 00032
                                                                                                EVLS_NMA_CTR
                                                                                       .LONG
                                                               0009
                                                                                       . WORD
                                                           00000000G 00038
                                                                                                EVL$_NMA_ZER
                                                                                       .LONG
                                                               0080
                                                                                                128
                                                                                       . WORD
                                                           00000000G 0003E
                                                                                       .LONG
                                                                                                EVL$_SCL_LNS
                                                               0081
                                                                                       . WORD
                                                           00000000G 00044
                                                                                       .LONG
                                                                                                EVL$_SCL_ACR
                                                               0000
                                                                                       . WORD
                                                                                                192
                                                           00000000G 0004A
                                                                                       .LONG
                                                                                                EVL$_NSL_IMS
                                                               00C1
                                                                                       . WORD
                                                                                                EVLS_NSL_IFC
                                                           00000000G 00050
                                                                                       .LONG
                                                                                                194
                                                               0002
                                                                                       . WORD
                                                           00000000G 00056
                                                                                                EVLS_NSL_DBR
                                                                                       .LONG
                                                                                                256
                                                               0100
                                                                                       . WORD
                                                                                                EVL$_TPL_APL
                                                           00000000G 0005C
                                                                                       .LONG
                                                               0101
                                                                                       .WORD
                                                                                                EVL$_TPL_UPL
                                                           0000000G
                                                                      00062
                                                                                       .LONG
                                                               0102
                                                                                       . WORD
                                                                      00068
                                                                                                EVL$_TPL_RPL
                                                          0103 0006E
00000000G 0006E
0104 00072
                                                           0000000G
                                                                                       .LONG
                                                                                       . WORD
                                                                                                EVLS_TPL_OPL
                                                                                       .LONG
                                                           0104 00072
00000000G 00074
                                                                                       . WORD
                                                                                       .LONG
                                                                                                EVLS_TPL_PFM
```

	E 14 16-Sep-1984 14-Sep-1984	01:31:10	VAX-11 Bliss-32 V4.0-742 Page DISK\$VMSMASTER:[EVL.SRC]CONSOLE.B32;1	13
0105 000000006	00078 0007A	WORD 261	TPL_PRU	
0106 00000000G	0007E 00080 .	WORD 262 LONG EVLS	TPL VFR	
0107 00000000G	00084 .	WORD 263 LONG EVLS_	TPL_VFR	
0108	0008A .	WORD 264	TPL_LDF	
00000000G 0109	00090 .	WORD 265	TPL_CDS	
0000000G 010A	00092	WORD 266	TPL_CDO	
00000000G 010B	00098 .	LONG EVLS- WORD 267	TPL_LUP	
0000000G	0009E .	LONG EVLS_	TPL_ILF	
0000000G	000A4 .	WORD 268 LONG EVLS	TPL_ISF	
010D 00000000G		WORD 269 LONG EVL\$_	TPL_IOF :	
010E 0000000G	000AE .	WORD 270	TPL_RCH	
010F 00000000G	000B4 .	WORD 271		
0110	000BA .	WORD 272	TPL_AUP	
00000000G 0111	000CO .	LONG EVL\$_ WORD 273	TPL_ARJ	
00000000G 0112	00002 .	WORD EVL\$_	TPL_ACH	
00000000G	00008 .	LONG EVLS- WORD 275	TPL_LDS	
0000000G	000CE .	LONG EVLS_	TPL_LDO	
00000000G	00004 .	LONG EVLS_	DLL_LSC :	
0141 00000000G		WORD 321	DLL_RSC :	
0142 00000000G	000DE .	WORD 322		
0143	000E4 .	WORD 323	DLL_PRS	
00000000G 0144	000EA .	WORD 324	DLL_SND :	
00000000G	000EC .	WORD 325	DLL_RET :	
00000000	000F2 .	LONG EVLS-	DLL_SLC	
0000000G	000F8 .	LONG EVLS_	DLL_BHF	
000000006	OOOFE .	WORD 327 LONG EVL\$_	DLL_SAD	
0148 00000000G	00102 .	WORD 328 LONG EVL\$_	DLL STT	
0149 00000000G	00108 .	WORD 329	DLL_STT	
014A	0010E .	WORD 330	DLL_LBS :	
00000000G 014B	00114 .	LONG EVL\$_ WORD 331	DLL_RST :	
00000000G	00116 .	WORD 332	DLL_STC	
00000000G	0011C .	LONG EVLS_ WORD 333	DLL_RME	
0140		מכנ עאט		

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F 14
16-Sep-1984 01:31:10
14-Sep-1984 12:28:46
                                                     VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [EVL.SRC]CONSOLE.B32;1
00000000G 00122

014E 00126

00000000G 00128

014F 0012C

00000000G 0012E

0150 00132

00000000G 00134

0151 00138

00000000G 0013A
                                  .LONG
                                            EVL$_DLL_IFL
                                            EVLS_DLL_SFL
                                  .LONG
                                  . WORD
EVLS_DLL_RFL
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                                  . WORD
                                             EVL$_DLL_CDC
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.WORD
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0181
00000000G
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.WORD
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0182
00000000G
                                  .LONG
.WORD
                                            EVL$_PLL_CAR
0183
00000000G
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0184
00000000G
              0015E
00162
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.WORD
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0000000G
              00164
                                            EVLS_PLL_PFM
8192
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2000
00000000G
              00168
                                  .WORD
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              0016A
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2001
00000000G
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                                            EVL$_VMS_DPC
8194
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00000000G
                                  . WORD
                                  . LONG
              00176
                                            EVL$_VMS_DP2
8195
00000000G
00000000G
2004
00000000G
                                  . WORD
              0017A
                                            EVL$_VMS_PCR
8196
              0017C
                                  .LONG
                                  . WORD
              00180
              00182
00186
                                  .LONG
                                             EVL$_VMS_PTR
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                                  .BLKB
             0018C
0018E
00192
                      P.AAB:
                                  . WORD
0000000G
                                            EVL$_CTNOD_ZER
                                  .LONG
                                  . WORD
                                             600
              00194
00198
0000000G
                                            EVL$_CTNOD_BRC
                                  .LONG
                                  . WORD
0000000G
              0019A
                                            EVL$_CTNOD_BSN
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00000000
                                  . WORD
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              001A0
                                            EVLS_CTNOD_MRC
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                                  . WORD
00000000
              001A4
              001A6
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              001B8
                                            EVL$_CTNOD_RTO
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              001BC
                                  . WORD
              001BE
001C2
001C4
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                                            EVLS_CTNOD_MLL
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0384
00000000G
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CON

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6 14
16-Sep-1984 01:31:10
14-Sep-1984 12:28:46
                                             VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[EVL.SRC]CONSOLE.B32:1
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0000000G
                                      EVL$_CTNOD_RUL
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                             . WORD
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001F2
0000000G
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                                      EVL$_CTNOD_VER
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0000000G
                                      EVLS_CTCIR_ZER
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            001F8
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0000000G
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801
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0000000G
                                      EVLS_CTCIR_TPR
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                             . WORD
0000000G
                                      EVLS_CTCIR_TPS
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. WORD
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821
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                                      EVL$_CTCIR_RRT
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                                      EVL$_CTCIR_RBE
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                                      EVLS_CTCIR_LBE
1050
EVLS_CTCIR_SIE
1051
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00000000G
                             .LONG
                             . WORD
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	H 14 16-Se 14-Se	p-1984 0 p-1984 1	1:31:10	VA	(-11 Blis SK\$VMSMAS	s-32 V4.(	-742 SRCJCONS	Pag OLE.B32;1	je 16 (3)
G000000G	00278	.LC	NG EVL	S_CTC	IR_SLT				
00000000G	0027C 0027E	.W0	RD 106	S CTC	IR UBU				
0000000G	00282 00284	. WC	RD 110	O CTC	IR_UBU				
0440	00288	.LC	RD 110	1-010	IR_RPE				
00000000G 04D8	0028A 0028E	.WC	RD 124	0-	IR_LPE				
00000000G 04D9	00290 00294	.LC	IRD 124		IR_LIR				
00000000G	00294 00296 0029A	.LC	NG EVL	S_CTC	IR_RIR				
0000000G 0A8D	0029A 0029C 002A0	.LC	ING EVL	S_CTC.	IR_NIR				
0000000G	002A2	.LC	NG EVL	S_CTC	IR_MNE				
0000000G	002A6 002A8	.WC	NG EVL	S_CTC	IR_ERI				
00000000G	002AC	.WC	ING EVL	S_CTC	IR_ERO				
0000000G	002B2 002B4	.WC	IRD 275 ING EVL	S CTC	IR RTO				
0AC1 00000000G	002B8 002BA	.WC	RD 275	S CTC	IR_RTO				
OAC2	002BE	.WC	ING EVL	4 CTC	IR_LTO				
OAC3	00264	.WC	RD 275	5-010	IR_BER				
0320	905CV	.WC	RD 800		IR_BEL				
00000000G 0321	002CC 002D0	.LC	NG EVL	S_CTL	IN_APR				
00000000G 0322	002D2 002D6	.LC	ING EVL	S_CTL	IN_DPS				
00000000G	002D8 002DC	.LC	ING EVL	S_CTL.	IN_ACL				
00000000G	002DE	.LO	ING EVL	S_CTL	IN_TPR				
032B 00000000G 032C	002E4	.W0	NG EVL	S_CTL	IN_TPS				
0000000G	002EA	.W0	ING EVL	S_CTL.	IN_TCL				
0334 0000000G	002EE 002F0	.WC	RD 820		IN_LDN				
0335 00000000	002F4 002F6	.WC	IRD 821						
03F8	002FA	.W0	IRD 100	0	IN_IFL				
00000000G 03E9 0000000G	002FC 00300 00302	.LC	RD 100	1	IN_BRC				
00000000G 03EA	00302 00306	.LC	ING EVL	S_CTL	IN_BSN				
00000000G 03F2	00308 00300	.LC	ING EVL	S_CTL:	IN_MBY				
00000000G	0030C 0030E 00312	.LC	NG EVL	S_CTL	IN_DBR				
0000000G	00314	.LO	ING EVL	S CTL	IN_DBS			:	
00000000G	00318 0031A	. L.C	RD 101	S_CTL	IN_MBL				
00000000G	0031E 00320	.W0	IRD 101 ING EVL	S_CTL	IN_BID				

	I 14 16-Sep-1984 01:31:10 14-Sep-1984 12:28:46	VAX-11 Bliss-32 V4.0-742 Fage 1 DISK\$VMSMASTER:[EVL.SRC]CONSOLE.B32;1 (3	7
03F6 00326 0000000G 00326 0000000G 00336 0000000G 00336	16-Sep-1984 01:31:10 14-Sep-1984 12:28:46  WORD 1014 C WORD 1015 C WORD 1015 C WORD 1020 C WORD 1020 C WORD 1030 C WORD 1031 C WORD 1040 C WORD 1040 C WORD 1050 C WORD 1050 C WORD 1050 C WORD 1050 C WORD 1060 C WORD 1060 C WORD 1065 C	VAX-11 BLiss-32 V4.0-742 DISK\$VMSMASTER:[EVL.SRC]CONSOLE.B32;1  TLIN_BS1 TLIN_BSM TLIN_DEI TLIN_DE0 TLIN_RRT TLIN_RBE TLIN_LBE TLIN_SIE TLIN_SIE TLIN_SIE TLIN_SPL TLIN_CDC TLIN_RFL TLIN_UFD TLIN_UFD TLIN_UPD TLIN_UPD TLIN_DE0 TLIN_DE0 TLIN_DE0 TLIN_DE0 TLIN_DE0 TLIN_DE0 TLIN_DE0 TLIN_RFL TLIN_UPD TLIN_UPD TLIN_UPD TLIN_UPD TLIN_RPE TLIN_MBS TLIN_MBS TLIN_MSN TLIN_MSE	7
0ACO 003A	WORD 2752 LONG EVL\$_C		

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16-Sep-1984 01:31:10
14-Sep-1984 12:28:46
CONSOLE
V04-000
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                                                                                                                                                                                                                                                                           EVLS_CTXP_BLS
                                                                                                                                                                    00000000G 003CE
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00459 P.AAF:
             53 41
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00478 P.AAJ:
00484 P.AAK:
00488 P.AAL:
00494 P.AAM:
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                                                                                                                                                                                                                       KNOWN_EVENTS=
KNOWN_COUNTERS=
                                                                                                                                                                                                                                                                                         P.AAA
                                                                                                                                                                                                                                                                                         P.AAB
                                                                                                                                                                                                                                                                          EVL$GL_LOGMASK, EVL$UNJULIAN
WKQ$ADD_WORK_ITEM
EVL$_NMA_LOS, EVL$_NMA_ANC
EVL$_NMA_ALC, EVL$_NMA_ALS
EVL$_NMA_LCZ, EVL$_NMA_NCZ
EVL$_NMA_PSL, EVL$_NMA_ABS
EVL$_NMA_CTR, EVL$_NMA_ZER
EVL$_SCL_LNS, EVL$_SCL_ACR
EVL$_NSL_IMS, EVL$_NSL_IFC
                                                                                                                                                                                                                                                   .EXTRN
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	53		05 06 C4	11		2\$:	1984 01:31 1984 12:28 BRB ADDL2	10 VAX-11 BLiss-32 V4.0-742 146 DISK\$VMSMASTER:[EVL.SRC]CONSOLE 3\$ #6, PTR	.B32;1 (3) ; 0868 ; 0859
	57	00	C4	00 11 00 00 9F	00071		BRB MOVL	15	
	31	00	AC 5A	DD	00073	3\$:	PUSHL	OUTPUT_ROUTINE, R7 SHORT_FORM	0881
	56	F0 10	AD AC	9F 00	0006C 0006E 00071 00077 00077 00080 00082 00085 00085 00091 00096 00096 00096 000A6 000A6 000A1		PUSHAB	OUTPUT PARM. R6	
	67		ASOAAOSAAOAAAAAAAAAAAAAAAAAAAAAAAAAAAA	DD FB	00080 00082		MOVL PUSHL CALLS CLRL MOVZWL	R6 #3, (R7) DESC 10(R2), -(SP)	
	7F	FO OA	AD	04 3C	00085		CLRL	DESC 10(R2) -(SP)	0885
0000v	7E CF	•	01	FB DD 9F	00080		CALLS PUSHL PUSHAB	#1. FORMAT_NODEADR	: "
		1B F0	AB	9F	00093		PUSHAB	P.AAE	
0000v	CF		03	FB	00099		PUSHAB CALLS TSTB	DESC #3, APPEND_STRINGS	1
		00	0E	9F FB 95	0009E		BEQL	12(R2) 45 12(R2)	: 0887
		0C 29 F0	A2 AB	9F 9F	000A3		PUSHAB	DAAE	: 0889
0000v	CF	F0	AD 03	9F FB	000A9		BEQL PUSHAB PUSHAB PUSHAB CALLS MOVZWL MOVZWL MOVZWL PUSHAB	DESC #3, APPEND STRINGS 4(R2), DAYS 6(R2), SECONDS 8(R2), MSECS TIME MSECS	
08	AE	04	A2	3C	000B1 000B6	48:	MOVZWL	4(R2), DAYS	: 0891
04	AE 6E	06 08 F8	AZ	3C	000BB		MOVZWL	8(R2), MSECS	0893 0893 0893
		04	AE	9F 9F	000BF 000C2		LOSUND	MSECS	: 089
		0C	AE	9F 9F	000C5 000C8		PUSHAB	DAYS	
0000G	CF	F8	04	FB 9F	000C2 000C5 000C8 000CB 000D0		PUSHAB CALLS PUSHAB PUSHAB PUSHAB	#4, EVL\$UNJULIAN TIME P.AAG	: 0897
		F8 30 F0	AD AB	9F 9F	000D3 000D6		PUSHAB	P.AAG DESC	
0000v	CF		AD 03	FB	00009		CALLS	AT ADDEND CTDINCC	
		F0	AD	9F	000DE		PUSHL	DESC PORM	
	67		03	DD 9F DD FB	000DE 000E0 000E3 000E5		CALLS	R6 #3, (R7)	
		F0	AD 53	94	000E8 000EB		CLRL	DESC COMMA NEEDED	: 0900
ОС	50 AE 54	00 00 00 00	A042	9A 9E 9A	000ED		PUSHAB PUSHL CALLS CLRL CLRB MOVZBL MOVAB MOVZBL INCL CMPB BNEQ PUSHL PUSHAB	SHORT_FORM  DESC  R6  #3, (R7)  DESC  COMMA_NEEDED  12(R2), R0  13(R0)[R2], PTR  aptr, R4  PTR	0900 0902
•••	54	000	BE	9Ã	000F7		MOVZBL	aPTR, R4 PTR	0904
	01	oc.	54	91	OOOFE		CMPB	R4. #1	0907
		QÇ	AE	DD	00103		PUSHL	R4, #1 5\$ PTR P.AAH	: 0908
		0C 36 F0	AB	9F	00106		PUSHAB	DESC	
0000v	CF 50	OC	5AD63D3322EEE4CEBBD3EE014CE	12 DD 9F 9B 9A 00 91	000E8 000EB 000ED 000F7 000FB 00101 00103 00106 00109 00115 00115 00115 00116 00122 00124		CALLS MOVZBL INCL ADDL2 MOVB CMPB BNEQ PUSHL	#3. APPEND STRINGS	: 0909
ОС		00	AE	06	00115		INCL	aPTR, RO PTR RO, PTR	
00	AE 53 03		Õ1	90	00110	Se.	MOVB	#1, COMMA NEEDED	0910 0913
	03		10	12	00122	5\$:	BNEQ	R4, #3 6\$ PTR	
		00	AŁ	טט	00124		POSHL	PIR	: 0914

						-Sep-	1984 01:31 1984 12:28		Page 22 1 (3)
		3F F0	AB	9F	00127 0012A		PUSHAB PUSHAB CALLS MOVZBL INCL ADDL2 MOVB TSTL BNEQ MOVZWL CALLS PUSHL PUSHAB	P.AAI DESC	•
0000v	CF 50		AAOBA5053B05AAOOBOAAAOBA5051BAAOA0	9FF9DC9052CBDFFB053	00120 00132 00136 00139 00140 00142		CALLS	DESC #3, APPEND_STRINGS aPTR, RO PTR RO, PTR	
		000	AE	06	00136		INCL	PTR RU	: 0915
00	AE 53		50	60	00139		ADDL2	RO. PTR #1. COMMA_NEEDED	: 0014
	,,		54	05	00140	6\$:	TSTL	R4	: 0916
	7F	ОС	3B BF	12	00142		BNEQ MOV7WI	#1, COMMA_NEEDED R4 8\$ aPTR, -(SP) #1, FORMAT_NODEADR R0	: 0920
0000v	7E CF		01	FB	00148		CALLS	#1, FORMAT_NODEADR	: "
		48	AB	9F	00148 0014D 0014F 00152 00155		PUSHAB	P - MA.I	
0000v	CF	4B F0	AD	9F	00152		PUSHAB	DESC	
0000	ĀĒ		02	CO	0015A		ADDL2	#3, APPEND_STRINGS #2, PTR	0921
		00	BE	95	0015E		TSTB		: 0922
		QÇ	AE	DD 9F	00163		PUSHL	PTR	: 0924
		0C 54 F0	AB	9F	00166		PUSHAB	P.AAK DESC	•
0000v	CF 50		03	FB	0015E 00161 00163 00166 00169 0016C 00171 00175	70.	CALLS ADDL2 TSTB BEQL PUSHAB PUSHAB CALLS MOVZBL INCL ADDL2 MOVB CMPB BNEQ MOVZBL PUSHAB PUSHAB CALLS INCL	PTR P.AAK DESC #3, APPEND_STRINGS APTR, R0 PTR R0, PTR	0000
		0C	AE	9A 06	00175	7\$:	INCL	PTR RU	0925
00	AE 53 05		50	06 CO 90	00178 00170		ADDL2	RO. PTR	: 0024
	05		54	91	00175	8\$:	CMPB	RA #5	: 0926
	7E	00	15 BE	12	00182 00184 00188 0018B 0018E 00193		BNEQ MOV7RI	9\$ aPTR, -(SP) P.AAL	: 0930
		0C 5B F0	AB	9A 9F 9F	00188		PUSHAB	P. AAL	: "
0000v	CF	FO	AD 03	FB	0018B 0018E		CALLS	DESC #3, APPEND_STRINGS	
		00	AE	FB D6	00193		INCL	PTR	0931
	53			90 91	00199	98:	MOVB	#1. COMMA_NEEDED	: 0935
		00	10	91 12 DD 9F	00190		BNEQ	10\$	: 0936
		0C 64 F0	AB	9F	001A1		PUSHAB	PTR P.AAM DESC	: 0730
0000v	CF	FO	AD 03	9F	001A4		PUSHAB	DESC #3, APPEND_STRINGS	1
	CF 50	000	BE	94	001AC		MOVZBL	aPÍR, RO	: 0937
OC	AE	OC	50	CO	001B0		ADDL2	aPTR, RO PTR RO, PTR	
	AE 53 55 52 58	50	01	90	001B7	100.	MOVB	M1, COMMA_NEEDED	0938 0948 0942
	52	60 08 00	AC	CI	001BE	103:	ADDL3	EVENT_LENGTH, R2, R8	: 0942
	58	00	AE	D1	00103	11\$:	RGEOU	PTR, R8	1
	20		55	DI	00109		CMPL	R5, #45	: 0948
			OF 5A	15	001CE		PUSHL	SHORT FORM	: 0950
		F0	AD	9F	00100		PUSHAB	DESC	
	67		03	9FBA6000000000000000000000000000000000000	00105		CALLS	#3, (R7)	
		F0	51 A B D S E E O 1 D C E A S S A S O A S A S O A S A S O A S A S	D4 94	001D8		CMPB BNEQ PUSHAB PUSHAB CALLS MOVZBL INCL ADDL2 MOVB MOVL ADDL3 CMPL BEQ PUSHAB PUSHAB PUSHAB CALLS CLRB	RO, PTR #1, COMMA_NEEDED DESC, RS EVENT_LENGTH, R2, R8 PTR, R8 18\$ R5, #45 12\$ SHORT_FORM DESC R6 #3, (R7) DESC COMMA_NEEDED DESC, STARTLEN	: 0952
	59	FO	AD	DO	00100	12\$:	MOVL	DESC. STARTLEN	0952

CONS VO4-

60

6F

CONSOLE VO4-000	B 15 16-Sep-1984 01:31:10 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:28:46 DISK\$VMSMASTER:[EVL.SRC]CONSOLE.B32	Page 23;1 (3)
00	53 E9 001E1 BLBC COMMA_NEEDED, 13\$ 6F AB 9F 001E4 PUSHAB P.AAN FO AD 9F 001E7 PUSHAB DESC	: 0957
000V CF	FO AD 9F 001E7 PUSHAB DESC 02 FB 001EA CALLS #2, APPEND STRINGS	1
54 58	6F AB 9F 001E4 FO AD 9F 001E7 O2 FB 001EA 53 94 001EF O2 EB 001EA 53 94 001EF CALLS	0961 0975 0964
	27 18 001F9 BGEQ 16\$ 5A D5 001FB TSTL SHORT_FORM	: 0967
5A	05 18 001FD BGEQ 14\$ 59 DO 001FF MOVL STARTLEN, SHORT_FORM	0969
	02 11 00202 BRB 15\$ 5A D4 00204 14\$: CLRL SHORT_FORM 5A DD 00206 15\$: PUSHL SHORT_FORM FO AD 9F 00208 PUSHAB DESC	0972
	5A DD 00206 15\$: PUSHL SHORT_FORM FO AD 9F 00208 PUSHAB DESC 56 DD 0020B PUSHL R6	0.6
67	56 DD 0020B PUSHL R6 03 FB 0020D CALLS #3, (R7) FO AD D4 00210 CLRL DESC	
	02 11 00202 5A D4 00204 14\$: CLRL SHORT_FORM 5A DD 00206 15\$: PUSHL SHORT_FORM FO AD 9F 00208 PUSHL R6 03 FB 0020D CALLS #3, (R7) FO AD D4 00210 CLRL DESC 54 DD 00213 PUSHL R4 10 AE 9F 00215 PUSHAB PTR FO AD 9F 00218 PUSHAB DESC 03 FB 0021B CALLS #3, FORMAT_COUNTER 13 11 00220 BRB 17\$ 06 EF 00222 16\$: EXTZV #6, #9, 2(R2), -(SP) 54 DD 00228 PUSHAB PTR FO AD 9F 0022A PUSHAB DESC CALLS #4, FORMAT_PARAMETER FO AD 9F 00235 17\$: MOVI DESC. R5	: 0975 : 0974
0000V CF	03 FB 0021B CALLS #3, FORMAT_COUNTER	0964
7E 02 A2 09	06 EF 00222 16\$: EXTZV #6, #9, 2(R2), -(SP) 54 DD 00228 PUSHL R4 14 AE 9F 0022A PUSHAB PTR F0 AD 9F 0022D PUSHAB DESC	0964 0980 0979 0978
00004 65	14 AE 9F 0022A PUSHAB PTR FO AD 9F 0022D PUSHAB DESC	: 0978
0000V CF 55 55	06 EF 00222 16\$: EXTZV #6, #9, 2(R2), -(SP) 54 DD 00228 PUSHL R4  14 AE 9F 0022A PUSHAB PTR F0 AD 9F 0022D PUSHAB DESC 04 FB 00230 CALLS #4, FORMAT_PARAMETER F0 AD DO 00235 17\$: MOVL DESC, R5 59 D1 00239 CMPL STARTLEN, R5 85 13 0023C BEQL 11\$	0982
53	FO AD DO 00235 17\$: MOVL DESC, R5 59 D1 00239 CMPL STARTLEN, R5 85 13 0023C BEQL 11\$ 01 90 0023E MOVB #1, COMMA_NEEDED 80 11 00241 BRB 11\$ FO AD D5 00243 18\$: TSTL DESC 0D 15 00246 BLEQ 19\$ 5A DD 00248 PUSHL SHORT_FORM	0984
	EN AN NE NO2/7 198. TCTI NECC	0984 0942 0987
	85 13 0023C BEQL 11\$ 01 90 0023E MOVB #1, COMMA_NEEDED 80 11 00241 BRB 11\$ F0 AD D5 00243 18\$: TSTL DESC 0D 15 00246 BLEQ 19\$ 5A DD 00248 PUSHL SHORT_FORM F0 AD 9F 0024A PUSHB DESC 03 FB 0024F CALLS #3, (R7) F0 AD D4 00252 CLRL DESC 5A DD 00255 19\$: PUSHL SHORT_FORM F0 AD 9F 00257 PUSHL SHORT_FORM F0 AD 9F 00257 PUSHL SHORT_FORM F0 AD 9F 00257 PUSHB DESC 03 FB 0025C CALLS #3, (R7) F0 AD 04 00256 CALLS #3, (R7) F0 AD 04 00256 CALLS #3, (R7) F0 AD 04 00256 CALLS #3, (R7)	0988
67	5A DD 00248 PUSHL SHORT_FORM  FO AD 9F 0024A PUSHAB DESC  56 DD 0024D PUSHL R6  03 FB 0024F CALLS #3, (R7)	
	FO AD D4 00252 CLRL DESC 5A DD 00255 19\$: PUSHL SHORT_FORM FO AD 9F 00257 PUSHAB DESC	: 0989
67	5A DD 00255 19\$: PUSHL SHORT_FORM  FO AD 9F 00257 PUSHAB DESC  56 DD 0025A PUSHL R6  03 FB 0025C CALLS #3, (R7)  FO AD D4 0025F CLRL DESC	
•	5A DD 00255 19\$: PUSHL SHORT_FORM  FO AD 9F 00257 PUSHAB DESC  56 DD 0025A PUSHL R6  03 FB 0025C CALLS #3, (R7)  FO AD D4 0025F CLRL DESC  04 00262 RET	0993

```
C 15
16-Sep-1984 01:31:10
14-Sep-1984 12:28:46
CONSOLE
VO4-000
                                                                                                                                        VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[EVL.SRC]CONSOLE.B32:1
                        ROUTINE append_strings (result, string, args): NOVALUE =
    589
5991
5993
5995
5996
5996
6001
6003
6005
                                        Functional description
                                                 This routine appends an FAO result string to another string. The second argument is used as an FAO control string with the following arguments used as parameters. The result of the FAO operation is appended to the end of the string described by the first operand and the descriptor is updated.
                                        Input parameters
                                                 result = Address of descriptor of string to be appended string = FAO control string (counted string)
    606
                                                 args = 0 to n FAO arguments
    608
                                        Output parameters
    609
    610
                                                 result = Updated descriptor of appended string
    611
    612
                                     !----
    614
                                    BEGIN
   616
                                    MAP
                                          string: REF VECTOR [,BYTE], result: REF VECTOR;
                                                                                                   ! Address the counted string
    618
                                                                                                   ! Address the descriptor
    LOCAL
                                                             VECTOR [2].
VECTOR [2]:
                                           faodesc:
                                                                                                   ! FAO control string descriptor
                                                                                                  ! FAO result string descriptor
                                           desc:
                                    faodesc [0] = .string [0];
faodesc [1] = string [1];
                                                                                                  ! Get length of counted string
                        1032
                                    desc [0] = max_output - .result [0];
desc [1] = .result [1] + .result [0];
                                                                                                  ! Setup descriptor for FAO
                        1034
1035
1036
1037
                                    $FAOL (CTRSTR=faodesc.
                                                                                                  ! Insert string into buffer
                                                 OUTLEN=desc.
                                                 OUTBUF = desc
                         1038
                                                 PRMLST=args);
                        1039
                                     result [0] = .result [0] + .desc [0]; ! Update string length
                        1042
                                    END:
                                                                                                                  .EXTRN SYS$FAOL
                                                                                    0004 00000 APPEND_STRINGS:
                                                                                                                  .WORD
                                                                                                                              3ave R2
#12, SP
                                                                                                                                                                                                     0994
```

00 02 00002

5E

VO

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20

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6A

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75

75

74

64

64

6E

CONSOLE V04-000							16- 14-	15 Sep-1984 01:31 Sep-1984 12:28	:10	VAX-11 Bliss-32 V4.0-74 DISKSVMSMASTER: [EVL.SRC	CONSOLE.B32;1 (4
	08	AE 7E 00000 AE 00000	0200 04	AE AC 52 8F A2 00 62	08 04 00 04 08 14	BOACACE AREACE	9A 00005 C1 0000A D0 00010 C3 00014 C1 0001C 9F 00022 9F 00028 9F 00028 FB 0002E C0 00035 04 00038	MOVZBL ADDL3 MOVL SUBL3 ADDL3 PUSHAB PUSHAB PUSHAB PUSHAB CALLS ADDL2 RET	(R2), (R2),	NG, FAODESC TRING, FAODESC+4 T, R2 #512, DESC 4(R2), DESC+4	103 103 103 103

CON VO4

6E

6E

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E 15
16-Sep-1984 01:31:10
14-Sep-1984 12:28:46
CONSOLE
VO4-000
                                                                                                                VAX-11 Bliss-32 V4.0-742 P.DISK$VMSMASTER:[EVL.SRC]CONSOLE.B32;1
                    1043
1044
1045
   64444567890123456789
                              ROUTINE format_parameter (string, param, maxlen, class): NOVALUE =
                    1046
                                         format a NICE parameter and append the
                    1048
                                         descriptive text to a given string.
                    1050
                                 Inputs:
                    1051
                    1052
                                        param = Address of longword containing pointer to parameter
                                        string = Address of descriptor of existing string maxlen = Maximum length that the parameter may be
                    1054
                                        class = Event class
                    1056
                                 Outputs:
                    1058
                                        ptr = Address of longword pointing to location following parameter
                    1060
                    1061
                    1062
                              BEGIN
                    1064
   660
                              BIND
   661
                                   desc = .string: VECTOR;
                                                                       ! Address of string descriptor
                    1066
1067
1068
   662
                              LOCAL
   664
                                                                          Address of parameter
                                                   REF $BBLOCK.
                                   ptr:
                    1069
                                                                          Parameter type (specific to class)
                                   param_type,
   666
                                                   REF $BBLOCK.
                                                                          Pointer to next parameter
                                   nextptr:
   667
                    1071
                                   fields,
                                                                          # fields in parameter
                   1072
1073
1074
1075
1076
1077
1078
   668
                                                   BYTE,
                                                                          First data byte after data type
                                   byte1:
   669
670
                                                   SIGNED BYTE:
                                   byte2:
                                                                         Second data byte after data type
   MACRO
                                   choose(index) =
                                        CASE index FROM 0 TO %LENGTH-2
                   1080
1081
1082
1083
                                              choose_item(%REMAINING);
                                   choose item [string] =
                                        [%COUNT]: append('!AC',UPLIT BYTE(%ASCIC string))%;
                    1084
                    1085
                                                                          Get address of parameter
                              ptr = ..param;
                    1086
1087
                                                                          Get parameter type code
Assume first field follows
                              param_type = .ptr [0,0,11,0];
                              nextpfr = .ptr+2;
If .nextptr [0,7,1,0]
                    1088
1089
1090
1091
1092
1093
                                                                          If coded
                                   AND .nextptr [0,6,1,0]
                                                                          and multiple number of fields,
                              THEN
                                   fields = .nextptr [0,0,6,0];! Get # fields in parameter nextptr = .nextptr + 1; ! and skip to actual first data item
                    1094
1095
                                   END
                              ELSE
   692
                    1096
1097
                                    fields = 1;
                                                                       ! Else, indicate only one field
                    1098
   694
                               INCR i FROM 1 TO .fields
                                                                       ! For each field
   695
```

66 6F

40

75

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CON
VO4
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CCNSOLE
V04-000
                                                                                                                                                                                                                                                                                                           VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [EVL.SRC] CONSOLE.B32;1
                                                                                                                                                                                                                          16-Sep-1984 01:31:10
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         If .nextptr [0,7,1,0]
                                                                                                                                                                                              ! If coded
                                                       1101
1102
1103
1104
1105
1106
1107
                                                                                                             mextptr = .nextptr + 1 + .nextptr [0,0,6,0] ! Use # coded bytes
                                                                                                            IF .nextptr [0,6,1,0] ! If ASCII image field
    OR .nextptr [0,0,4,0] EQL 0 ! If zero, hex image field
                                                                                                                           nextptr = .nextptr + 2 + CH$RCHAR(.nextptr+1) ! Use ASCIC length
                                                       1109
                                                                                                                          nextptr = .nextptr + 1 + .nextptr [0,0,4,0]; ! Else, use binary data length
                                                       1110
                                                                                 byte1 = CH$RCHAR(.ptr+3);
byte2 = CH$RCHAR(.ptr+4);
SELECTONEU .class
                                                       1111
1112
1113
1114
1115
1116
1117
1118
                                                                                                                                                                                                    Get first data byte and second data byte
                                                                                                                                                                                                ! For each layer,
                                                                                  OF
                                                                                               SET
                                                                                               ! Network management layer
                                                     1120
1121
1122
1123
1124
1125
1126
1127
                                                                                                                           Levc$c_nma_pser]: choose(.byte1, 'Load', 'Dump');
Levc$c_nma_psts]:
BEGIN
                                                                                                                                       choose(IF .byte2 EQL 0 THEN 0

ELSE IF .byte2 LSS 0 THEN 1 ELSE 2,

'Requested', ', 'Successful');
                                                                                                                                                  .byte2 LSS 0
                                                                                                                                         THEN
                                                                                                                                                    choose(-.byte2-1,
'Unrecognized function or option',
'Invalid message format',
                                              P 1129
P 113334567
P 113334567
P 1133390
P 1133390
P 1144567
P 114467
P 114467
P 11467
P 11553456
P 11553456
P 115536
P 
                                                                                                                                                                    'Privilege violation', 'Oversized command message',
                                                                                                                                                                    'Management program error',
'Unrecognized parameter type'
                                                                                                                                                                   'Incompatible management version',
'Unrecognized component',
'Invalid identification',
                                                                                                                                                                    'Line communication error'
                                                                                                                                                                    'Component in wrong state',
                                                                                                                                                                    'File open error',
'Invalid file contents',
                                                                                                                                                                    'Resource error'
                                                                                                                                                                    'Invalid parameter value',
                                                                                                                                                                    'Line protocol error',
'File I/O error',
'Mirror link disconnected',
                                                                                                                                                                    'No room for new entry', 'Mirror connect failed',
                                                                                                                                                                     'Parameter not applicable'
                                                                                                                                                                    'Parameter value too long',
'Hardware failure',
                                                                                                                                                                    'Operation failure'
                                                                                                                                                                    'function not supported'
                                                                                                                                                                    'Invalid parameter grouping',
```

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CON
VO4
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G 15
16-Sep-1984 01:31:10
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CONSOLE
VO4-000
                                                                                                                                             VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [EVL.SRC] CONSOLE.B32;1
    'Bad loopback response',
                                                                             'Parameter missing');
                                                               IF fields GEQ 2
                                                                                                                    ! If NICE detail specified,
                                                                      SELECTONE .byte2
                                                                                                                    ! Then for certain errors,
                         1163
1164
1165
1166
1167
1168
1169
                                                                            SET [nma$c_sts_fop]: (append(', '); choose(CH$RCHAR(.ptr+6), ! Expand on FOP detail 'Permanent database', 'Load file', 'Dump file', 'Secondary Loader',
                                                                                          'Secondary loader',
                                                                                          'Secondary dumper'));
                         1172
1173
1174
1175
1176
1177
                                                                             [nma$c_sts_cmp.nma$c_sts_ide.nma$c_sts_sta]:
    (append(', ');
                                                                                    choose(CH$RCHAR(.ptr+6), ! Show entity name
                                                                                          'Node',
                                                                                          'Logging',
'Circuit',
'Module',
                         1178
                          1180
                                                                                          'Area'));
                                                                             [nma$c_sts_pty,nma$c_sts_pva,nma$c_sts_pms]:
    (append(', ');
    CASE .(.ptr+6)<0.16> ! Show NODE parameter
    FROM nma$c_pcno_loa TO nma$c_pcno_tlo
                          1181
                          1184
1185
                          1186
1187
                                                                                          [nma$c_pcno_loa]: append('Load file');
[nma$c_pcno_slo]: append('Secondary loader');
[nma$c_pcno_tlo]: append('Tertiary loader');
                          1188
1189
                          1190
                          1191
                                                                             TES:
                                                                IF .fields GEQ 3
                                                                      fields GEQ 3 ! If optional message text, AND CH$RCHAR(.ptr+9) NEQ 0 ! and its non-null,
                           196
                                                                       append('!/!AC',.ptr+9);
                                                                                                                    ! print it
                                                                END;
                          1198
1199
                                                          [evc$c_nma_popr]: (append('Operation ');
    choose(.byte1, 'Initiated', 'Terminated'));
                         1200
1201
1202
1203
1204
1205
                                                         'Receive error',
                                                         206
207
                           208
                           210
```

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H 15
16-Sep-1984 01:31:10
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CONSOLE
VO4-000
                                                                                                                              VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [EVL.SRC]CONSOLE.B32;1
                                                   [evc$c_nma_psty]:
choose(.byte1,
    'Secondary loader',
'Tertiary loader',
'Operating system');
                                                    [evc$c_nma_psni]:
                                                                                          ! Target's Ethernet address
                                                         BEGIN
                                                         append ('Ethernet address = !XB', .(.ptr+4)<0,8>);
INCR p FROM 1 TO 5 DO
    append ('-!XB', .(.ptr+4+.p)<0,8>);
                               [9]: append('DTE = !AC', .ptr+3); !! && temporary until PSI gets fixed
                                                    [OTHERWISE]: unknown_parameter(desc, .ptr, .maxlen);
                                                    TES:
                                        [evc$c_cls_scl]:
SE[ECTO .param_type
OF
                                                                                ! Session control layer
                                              [evc$c_cls_nsl]:
    SE[ECTONEU .param_type
    OF
                                                                                 ! Network services layer
                      1260
1261
1262
1263
1264
1265
1266
1267
1268
1269
1270
                                                   unknown_param_data(desc, .ptr+2, .maxlen));
[evc$c_nsl_pflo]: append('Current flow control = !SB', .byte1);
[evc$c_nsl_pnod]: (append('Source_node = !AS',
```

format\_nodeadr(.ptr [4,0,16,0]));
If .fields GTR 1

AND CHSRCHAR (.ptr+7) NEQ 0

CON:

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CONSOLE
VO4-000
                                                                                                                                                        VAX-11 Bliss-32 V4.0-742 PARTICIONSOLE.B32;1
                                                              THEN append(' (!AC)',.ptr+7));
[CTHERWISE]: unknown_parameter(desc, .ptr, .maxlen);
    [evc$c cls tpl]:
SE[ECTO .param_type
OF
                                                                                                 ! Transport layer
                                                             unknown_param_data(desc, .ptr+2, .maxlen));
                                                              unknown_param_data(desc, .ptr+2, .maxlen));
[evc$c_tpl_ppkb]:
    (append('Packet beginning = ');
    unknown_param_data(desc, .ptr+2, .maxlen));
[evc$c_tpl_phia]: append('Highest address = !UL', .ptr [3,0,16,0]);
[evc$c_tpl_pnod]: append('Node = ');
[evc$c_tpl_padj]: append('Adjacent node = ');
[evc$c_tpl_padj]: append('Expected node = ');
[evc$c_tpl_pexp]: append('Expected node = ');
[evc$c_tpl_pnod.evc$c_tpl_pexp.evc$c_tpl_padj]:
    (append('!AS', format_nodeadr(.ptr [4,0,16,0]));
    If .fields GTR 1
        AND CH$R(HAR(.ptr+7) NEQ 0
                            THEN append( (!AC), ptr+7);
                                                              'Data errors'
                                                                                    'Unexpected packet type',
                                                                                    'Routing update checksum error', 'Adjacent node address change', 'Verification receive timeout',
                                                                                    'Version skew'
                                                                                    'Adjacent node address out of range',
'Adjacent node block size too small',
'Invalid verification seed value',
'Adjacent node listener receive timeout',
                                                              [evc$c_tpl_psts]: (
    choose(.byte1,'Reachable', 'Unreachable'));
                                                               [OTHERWISE]: unknown_parameter(desc, .ptr, .maxlen);
                                                               TES:
                                                 [evc$c cls dll]:
    SE[ECTO .param_type
                                                                                                 ! Data link layer
```

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CON
VO4
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J 15
16-Sep-1984 01:31:10
14-Sep-1984 12:28:46
CONSOLE
VO4-000
                                                                                                            VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [EVL.SRC]CONSOLE.B32;1
                                                                     'Maintenance');
   [evc$c_dll_phdr]:
    (append('Header = ');
                                           'Normal operation'));
                                            PPPPPPPPPP
                                                           'Short circuit',
'Open circuit',
                                                            'Frame too long'
                                                            'Remote failure to defer',
                                                            'Block check error',
                                                            'framing error'
                                                            Data overrun',
                                            'System buffer unavailable',
'User buffer unavailable',
'Unrecognized frame destination'));
[evc$c_dll_pdis]: append('Distance = !UL', .ptr [3,0,16,0]);
[evc$c_dll_pehd]: (append('Ethernet header = ');
                                            unknown_param_data(desc, .ptr+2, .maxlen));
[evc$c_dll_phws]: (append('Hardware status = ');
                                                 unknown_param_data(desc, .ptr+2, .maxlen));
                                            [OTHERWISE]: unknown_parameter(desc, .ptr, .maxlen);
                                            TES:
                                  [evc$c_cls_pll]:
SE[ECTO .param_type
OF
                                                                     ! Physical link layer
                                            [evc$c_pll_pdvr]: append('Device register = !XW', .ptr [3,0,16,0]);
[evc$c_pll_pnew]: (append('New state = ');
```

```
K 15
16-Sep-1984 01:31:10
14-Sep-1984 12:28:46
CONSOLE
                                                                                                                                                 VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[EVL.SRC]CONSOLE.B32;1
                                                           choose(.byte1,'Off', 'On'));
[OTHERWISE]: unknown_parameter(desc, .ptr, .maxlen);
TES;
  981
982
983
984
985
988
988
989
999
999
999
1001
1006
1006
1007
1008
1009
                                                                                               DECnet/SNA Gateway (69) specific events
and Server Base (225) specific events
and Router Server (226) specific events
                                              [69,225,226]:
                                                    ! (All parameters are text)
unknown_param_data(desc, .ptr+2, .maxlen);
                                              [evc$c_cls_vms]:
SE[ECTO .param_type
OF
                                                                                             ! VMS specific events
                                                           ! O=address, else name
                                                                                      append('!AS', format_nodeadr(.ptr [4,0,16,0]))
                                                                               ELSE
                                                           append('!AC', .ptr+3));

[evc$c_vms_pprc]: append('Name = !AC', .ptr+3);

[evc$c_vms_ppid]: append('PID = !XL', .ptr [3,0,32,0]);

[evc$c_vms_psts]: append('Status = !XL', .ptr [3,0,32,0]);

[OTHERWISE]: unknown_parameter(desc, .ptr, .maxlen);
                           1404
1405
1406
1407
1408
                                                            TES:
                                              [OTHERWISE]: unknown_parameter(desc, .ptr, .maxlen);
   1010
                          1414
                                        .param = .nextptr;
                                                                                            ! Skip to next parameter
   1011
  1012
                                       END:
                                                                                                                           .PSECT $PLIT$, NOWRT, NOEXE, 2
                                                                                                   004A2 P.AA0:
004A6 P.AAP:
                                                                                      21
421
421
521
                                                                                            45
61
36
60
71
                                                                               6F
41
75
41
65
41
                                                                                                                                        <4>\Load\
                                                                                                             P.AAQ:
                                                                                                    004AB
                                                                                                                                        <3>\!AC\
                                                                  70
                                                                                                            P.AAR:
                                                                                                    004AF
                                                                                                                                        <4>\Dump\
                                                                                                            P.AAS:
                                                                                                                                        <3>\!AC\
                                                                                                    004B4
                                                                                                   00488 P.AAT:
004C2 P.AAU:
004C6 P.AAV:
004C7 P.AAW:
004CB P.AAX:
004D6 P.AAX:
                                                                 75
                                                                                                                                        <9>\Requested\
                                       65 74 73 65
                                                                                                                                        <3>\!AC\
                                                                                      25256EE190104
                                                                                            65
                                                                                                                           .ASCII
                                                                                                                                        <10>\Successful\
                                                                               6E
63
                                                                                                                                        <31>\Unrecognized function or option\
                                                                                                                           .ASCII
                                                                                                   004FA
004FE
0050D
00515
                                                                         43
76
6F
                                                                                                                                       <3>\!AC\
<22>\Invalid message format\
                                                                                                            P.ABA:
                                                     69
                                                           6C
                                                                               6E
66
41
72
69
                                                                                                            P.ABB:
                   73
                                                                                                                           .ASCII
                          65
                                6D
                                                                                                                                       <3>\!AC\
<19>\Privilege violation\
                                                                                                             P.ABC:
                                             65
                                                           69
             69 76 20 65 67
                                                     60
                                                                                                             P.ABD:
                                                                                                                           .ASCII
```

CON	SOLE														1	L 15 6-Sep-19 4-Sep-19	84 01:31 84 12:28	:10 VAX-11 Bliss-32 V4.0-742 Page 33 :46 DISK\$VMSMASTER:[EVL.SRC]CONSOLE.B32;1 (5)
60	60	6F	63	20	64	65	7A	69 73	73	72 60	43	76	21 4F	03	00520 00531 00540	P.ABE: P.ABF:	.ASCII	<3>\!AC\ <25>\Oversized command message\
6F	72	70	20	74		65 6F			67 65		43 6E 6D	61	21 40 72	61 03 18 67 03 18	0054B 0054F 0055E	P.ABG: P.ABH:	:ASCII	<3>\!AC\ <24>\Management program error\
70	20	64	65	7A 79	69					65	43 72 60	41 6E 61	4D2155219		00568 00560 0057B	P.ABI: P.ABJ:	.ASCII	<3>\!AC\ <27>\Unrecognized parameter type\
6D 69	20 73							70 65	6D 6D	6F 65	43 63 67	6E 61 6E 61	21 49 6E	61 03 1F 61	00588 00580 0059B	P.ABK: P.ABL:	.ASCII	<3>\!AC\ <31>\Incompatible management version\
63	20	64	65	7A	69	6E	67	6F 6E	63	65 6E	43 72 6F	41 6E 70	6E 21 55	6F 03 16	005AA 005AC 005BO	P.ABM: P.ABN:	.ASCII	<3>\!AC\ <22>\Unrecognized component\
69	74	6E	65	64	69	20	64 6E	69 6F	6C 69	61 74	43 76 61	41	6D1499246913651	6F 03 16	005BF 005C7 005CB	P.ABO: P.ABP:	:ASCII	<3>\!AC\ <22>\Invalid identification\
61	63	69	6E	75	6D 72	6D 6F	6F 72	63	20	65	43 6E 6E	65319F1	21	66 03 18 74	005E2 005E6 005F5	P.ABQ: P.ABR:	ASCII	<3>\!AC\ <24>\Line communication error\
77	20	6E	69	20	74			6E 74		70	43 60 67	41 6F	21	74 03 18 72	005FF 00603 00612	P.ABS: P.ABT:	.ASCII	<3>\!AC\ <24>\Component in wrong state\
6F	72	72	65	20	6E	65	70	6F	20	65	43 43 60	41 69	21 21 46	03 03 05	00610 00620 00621 00625	P.ABU: P.ABV: P.ABW: P.ABX:	.ASCII .ASCII .ASCII	<3>\!AC\ <0> <3>\!AC\ <15>\File open error\
63	20	65	60	69	66	20	64	69	6C 74	61 6E	43 76 65	41 6E 74 41	21 49	03 15 6F 03	00634 00635 00639 00648	P.ABY: P.ABZ:	ASCII	<3>\!AC\ <21>\Invalid file contents\
72	6F	72	72	65	20	65	63				43	41 65 41	21 49 6E 21 52	OF	0064F 00653	P.ACA: P.ACB: P.ACC:	.ASCII .ASCII	<3>\!AC\ <14>\Resource error\ <3>\!AC\
65	60	61	72	61	70	20 65	64 75	69 60	6C 61	61 76	76	6E 72 41	65	03 17 74 03 13	00666	P.ACD:	.ASCII	<23>\Invalid parameter value\
20	60	6F	63	6F	74	6F	72	70	20	65 72	6E 6F	69 72	4C 72	13	00691	P.ACE: P.ACF:	:ASCII	<3>\!AC\ <19>\Line protocol error\
72	6F	72	72	65	20	4F	2F	49	20	65	43 60 43	69 74 69 69 69 66 65 65 65	21 46 21	65 03 0E 03 18	0069A	P.ACG: P.ACH: P.ACI:	.ASCII .ASCII	<3>\!AC\ <14>\File I/O error\ <3>\!AC\
69	64	20	6B	6E	69	6C 65	20 74	72 63	6F 65	72 6E	72 6E	69 6F	63	18 73	006AD	P.ACJ:	.ASCII	<24>\Mirror link disconnected\
65	6E	20	72	6F	66	20	60	6F 79	6F 72	72 74	20 6E 43	6F 65	4E 20	73 03 15 77	006C6 006CA 006D9 006E0	P.ACL:	ASCII	<3>\!AC\ <21>\No room for new entry\
74	63	65	6E	6E	6F	63	20	72 64	6F 65	72 60	43 72 69	41 69 61 41	21 40 66	03 15 20	006E0 006E4 006F3		.ASCII	<3>\!AC\ <21>\Mirror connect failed\
20	74	6F	6E	20	72 65	65	74 62	65	60 63	61	43 72 60	41 61 70	462472461D31E01D61001	20 03 18	006FA	P.ACO: P.ACP:	.ASCII	<3>\!AC\ <24>\Parameter not applicable\
75	60	61	76	20	72	65	74	65	6D	61	72	61	21	61 03 18	00717 00718	P.ACQ: P.ACR:	:ASCII	<3>\!AC\ <24>\Parameter value too long\

CC	NSOL 14-00	E													M 15 16-Sep-19 14-Sep-19	84 01:31 84 12:28	:10 VAX-11 Bliss-32 V4.0-742 Page 34 B:46 DISK\$VMSMASTER:[EVL.SRC]CONSOLE.B32;1 (5)
75	60	69	61	66	67 20	6E 65	6F 72	6C 61	20 77	6F 64	6F 43 72	74 41 61	20 21 48	65 03 10	0072A 00734 P.ACS: 00738 P.ACT:	.ASCII	<3>\!AC\ <16>\Hardware failure\
60	69	61	66	20	6E	6F	69	74	61	72	43 65	41 70 65	21 4F 72	72 03 11 75	00749 P.ACU: 00740 P.ACV:	:ASCII	<3>\!AC\ <17>\Operation failure\
73	20	74	6F	6E	20	6E	6F 64	69	74 74	63	43 6E 6F	75 70	247245123	753 1753 1763 1763 1763 11	0075F P.ACW: 00763 P.ACX: 00772	:ASCII	<3>\!AC\ <22>\function not supported\
65	6D	61	72 67	61 6E	70 69	20 70	64	69 6F	6C 72	61	760	6E 72	49	03 1A 74	0077A P.ACY: 0077E P.ACZ: 0078D	.ASCII	<3>\!AC\ <26>\Invalid parameter grouping\
72	20	6B	63	61	62	70	6F	6F 65	6C 73	20 6E	43 64 6F	41 61 70	21 42 73	03	00799 P.ADA: 00790 P.ADB: 007AC	.ASCII	<3>\!AC\ <21>\Bad loopback response\
73	73	69	60	20	72	65	74	65	6D	61	43 72	61	21 50	03	007B3 P.ADC: 007B7 P.ADD: 007C6	.ASCII	<3>\!AC\ <17>\Parameter missing\
61	74	61	64	20	74	6E	65	6E	61	6D	43 72 65	20 41 65 73	6EC1 250 611 621 611 611 611 611 611 611 611 611	02 03 12	007C9 P.ADE: 007CC P.ADF: 007D0 P.ADG: 007DF	.ASCII .ASCII	<2>\.\ <3>\!AC\ <18>\Permanent database\
					65 65	6C	69 69	66 66	20	64 70	43 61 43 62 43	41 6F 41 75	21	02322393939 160093930	007E3 P.ADH: 007E7 P.ADI: 007F1 P.ADJ: 007F5 P.ADK:	.ASCII .ASCII .ASCII	<3>\!AC\ <9>\Load file\ <3>\!AC\ <9>\Dump file\
64	61	6F	60	20	79	72	61	64	6E	6F	63	75 41 65	21 53	03 10 65	007FF P.ADL: 00803 P.ADM: 00812	.ASCII	<3>\!AC\ <16>\Secondary loader\
65	64	61	6F	60	20	79	72	61	69	74	43 72	41 65	21 54	03 0F 72	00814 P.ADN: 00818 P.ADO:	.ASCII	<3>\!AC\ <15>\Tertiary loader\
70	6D	75	64	20	79	72	61	64	6E	6F	43 63	41 65	21 53 72	03	00828 P.ADP: 0082C P.ADQ: 0083B	ASCII	<3>\!AC\ <16>\Secondary dumper\
					45	40	67 74	6E 69 65	69 75 60	65 65 67 63 75 61	4643E37746435	2016419461641720F5	25722181010131011003	623434373736342905 00000000000000000000000000000000000	00840 P.ADK: 00844 P.ADT: 00849 P.ADU: 00840 P.ADV: 00852 P.ADW: 00856 P.ADX: 00856 P.ADX: 0085E P.ADZ: 00862 P.ADZ: 00862 P.AEA: 0086E P.AEB: 00875 P.AEC:	ASCII	<pre>&lt;2&gt;\!AC\ &lt;3&gt;\!AC\ &lt;4&gt;\Node\ &lt;3&gt;\!AC\ &lt;4&gt;\Line\ &lt;3&gt;\!AC\ &lt;7&gt;\Logging\ &lt;3&gt;\!AC\ &lt;7&gt;\Circuit\ &lt;3&gt;\!AC\ &lt;6&gt;\Module\ &lt;4&gt;\Area\ &lt;2&gt;\.\ </pre>
64		6F	60	20	79	72	61	64	6E	64 6F	61		53 72 54	10	0087E P.AEE: 00881 P.AEF: 0088B P.AEG: 0089A 0039C P.AEH: 008A6		<9>\Load file\ <16>\Secondary loader\
65	64	61	OF	20	6E	79 6F	69	74	69 43 61	74 41 72	72 21 65	65 2F 70		0F 72 05 0A	008A6 008AC P.AEI: 008B2 P.AFJ:	.ASCII	<15>\Tertiary loader\ <5>\!/!AC\ <10>\Operation \

```
N 15
16-Sep-1984 01:31:10
14-Sep-1984 12:28:46
CONSOLE
VO4-000
                                                                                                              VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [EVL.SRC] CONSOLE.B32;1
                                                                           008BD
008CB
008CB
008CF
008DA
008DE
                                                                                             .ASCII
                                                                                                       <3>\!AC\
<9>\Initiated\
                                                                      0393003F43D031E53453
                                                            6E
41
65
41
                                             69
                                                                                                       <3>\!AC\
                                                       7243
                                                                                   P.AEN:
                                                                                                       <10>\Terminated\
                                                                                   P.AEO:
                                                                                             .ASCI
                                                                                                       <3>\!AC\
                                                                                                       <15>\Receive timeout\
                                                                           008ED
008EE
008F2
00900
00913
00922
                                                                                             .ASCI
.ASCI
                                                                                   P.AEQ:
P.AER:
                                                                                                       <3>\!AC\
                                                            6419551E519
                              20
                                   65
                                        76
                                             69
                                                  65
                                                                                                       <13>\Receive error\
              72
                   72
                         65
                                                                                                       <3>\!AC\
                                                                                   P.AET:
                                                                                             .ASCII
                                                                                                       \!Line state change by higher level\
                                        73
20
                                                                                   P.AEU:
                                                                                             .ASCII
                                                                                                       <3>\!AC\
                                                                            0092A
                                                                                             .ASCII
                                                                                                       <20>\Unrecognized request\
                       69
                                                                                   P.AEV:
              65
                              6E
                                   67
                                        6F
                                                                            00939
                                                                            0093F
                                                                      0F
72
                                                                                   P.AEX:
                                                  65
                                                                            00943
                                                                                             .ASCII
                                                                                                       <15>\Line open error\
         72
                                   70
                                        6F
                                                                            0095
                                                                            00953
                                                                                   P.AEY:
                                                                                                       <10>\Node = !AS\
                                                                           0095E
00965
                                                  41
20
65
                                                                                                       <6>\ (!AC)\
                                                                                  P.AEZ:
                                                                                             .ASCII
                                                                                  P.AFA:
                                             3D
20
                                   21
                                                                                                       <9>\DTE = !AC\
                                        20
30
                                                                                             .ASCII
                                                                            0096F
                                                                                                       <10>\File = !AC\
                                                                                  P.AFB:
                                                                                             .ASCII
                                                                                                       <3>\!AC\
                                                                            0097A P.AFC:
                                                                                             .ASCII
                                                       63
                                                                            0097E P.AFD:
                    20
                                                            65
                                                                                             .ASCII
                                                                                                       <16>\Secondary loader\
             60
                                                                            0098D
                                                                 21
                                                            41
                                                                            0098F
                                                                            00993
                                        61
                                                                                  P.AFF:
                                                                                             .ASCII
                                                                                                       <15>\Tertiary loader\
                                                                            009A2
                                                                            009A3
                                                                                   P.AFG:
                                                       43
                                                            41
                                                                                                       <3>\!AC\
                                  69
                                                                            009A7 P.AFH:
                                        74
                                             61
                                                                                             .ASCII
                                                                                                       <16>\Operating system\
              73
                    20
                         67
                              6E
                                                                            009B6
                                                                      16
                                                                            009B8
                                                       68
30
58
                                                                                                       <22>\Ethernet address = !XB\
                                                                 45
73
20
21
4F
                                                                                  P.AFI:
                                                                                             .ASCII
                                                                            009C7
                                                                            009CF
                                                                                                       <4>\-!XB\
                                                                                                       <3>\!AC\
                                                                            00904 P.AFK:
                                                                                             .ASCII
                                                  72
                                                       65
                                                            70
                                                                            00908 P.AFL:
                         20
                              72
                                        74
                                             61
                                                                                             .ASCII
                                                                                                       <16>\Operator command\
                    63
                                   6F
    6D
                                                                            009E7
                                                       43
                                                            41
6F
                                                                            009E9 P.AFM:
                                                                                                       <3>\!AC\
                                             61
                                                  60
                                                                            009ED P.AFN:
                                                                                             .ASCII
                                                                                                       <16>\Normal operation\
                                                                            009F
                                                                            009FE P.AFO:
                                                                                                       <12>\Old state = \
                                                                            OOAOB P.AFP:
                                                                                             .ASCII
                                                                                                       <12>\New state = \
                                                                            00A18 P.AFQ:
                                                                                             .ASCII
                                                                                                       <3>\!AC\
                                                                                                       <2>\On\
<3>\!AC\
                                                                            OOA1C P.AFR:
                                                                                             .ASCII
                                                            6E 466 468 465
                                                       4364354375
                                                                            OOA1F P.AFS:
                                                                                             .ASCII
                                                                            00A23
                                                                                  P.AFT:
                                                                                                       <3>\0ff\
                                                                                             .ASCII
                                                                                                       <3>\!AC\
                                                                            00A27
                                                                                   P.AFU:
                                                                                             .ASCII
                                                                            00A2B
00A30
                                                  74
                                                                                   P.AFV:
                                                                                              .ASCI
                                                                                                       <4>\Shut\
                                                                                   P.AFW:
                                                                                              .ASCI
                                                                                                       <3>\!AC\
                                                                                                       <10>\Restricted\
                                                                                   P.AFX:
                                                                                              .ASCI
                                                                            OOA3F
                                                                                   P.AFY:
                                                                                              .ASCI
                                                                                                       <17>\Source node = !AS\
                                                                            00A4E
                                                                            00A5
                                                                                   P.AFZ:
                                                                                                       <6>\ (!AC)\
                                                                            00A58
                                                                                   P.AGA:
                                                                                              .ASCII
                                                                                                       <17>\Source process = \
                                                                            00A6
                                                  74
                                                       73
                                                                            OOA6A P.AGB:
                                                                                             .ASCII
                                                                                                       <22>\Destination process = \
```

CON	SOLE														16- 14-	16 Sep-198 Sep-198	34 01:31 34 12:28	:10 VAX-11 Bliss-32 V4.0-742 Page 3:46 DISK\$VMSMASTER:[EVL.SRC]CONSOLE.B32;1 (5
				43	41	21	20 20 72	3D 29 3D 6F	20 43 20 77	73 41 72 73	73 40 21 65 73	65 558 761	6225501 D3E31	653 00A 00A 00A 1A	00A79 00A81 P 00A85 P 00A8C P	.AGC: .AGD: .AGE:	.ASCII .ASCII .ASCII	<3>\!UL\ <6>\ (!AC)\ <10>\User = !AC\ <82\Password\
63	20	77	21 6F	200	3D 66 21 6F	2000 E	72 74 65 74 30	50 6F 6E 67 6E 20 65	20 77 75 61 65 63	72 73 67 72 67 72	73 73 72 75	283 635 655 74 6F	41 40 43	OA 1A	OCAAO P OOAAE P OOAB9 P	.AGG: .AGH: .AGI:	.ASCII .ASCII .ASCII	<13>\Account = !AC\ <10>\Message = \ <26>\Current flow control = !SB\
50	3D	20	65	64	6F	6E	20	65	63	72	75	6F	53	6F 11 21	00AC8 00AD4 P 00AE3	.AGJ:	.ASCII	<17>\Source node = !AS\
20	72	65	64	61	65	68	20	29 74	65	41 6B	21 63	28	20	21 06 10	OOAED P	.AGK:	.ASCII	<6>\ (!AC)\ <16>\Packet header = \
69	6E	6E	69	67	65	62	20	74	65	6B	63	61	50	13	OOAFE P	.AGM:	.ASCII	<19>\Packet beginning = \
73	65	72	64	64	61	20	74	73	65	68	63 67 264	61 69 30 6F	48	15	00B0D 00B12 P 00B21	.AGN:	.ASCII	<21>\Highest address = !UL\
20	65	64	6F	6E	20	74	9E	3D 65	65 55 20 63	68 20 68 21 65 61	64 6A	6F 64	2525642410	303 615 707 100	00B28 P	.AGO:	.ASCII	<7>\Node = \ <16>\Adjacent node = \
20	65	64	6F	6E	20	64	65	74	63	65	70	78	20	3D 10		.AGQ:	.ASCII	<16>\Expected node = \
40	45	45	72	40	47	"	70	29	43	41	53	41 28 41	20	3D 3G 6B 3G	00B52 P 00B56 P 00B5D P	.AGR: .AGS: .AGT:	.ASCII .ASCII	<3>\!AS\ <6>\ (!AC)\ <3>\!AC\
69	6E	6F	72	68	73	6F	60	20	20 5E	65 6F	6E	69	61	7A	00B70	.AGU:	.ASCII	<25>\Line synchronization lost\
63	61	70	73 20	72 64	6F 65	72 74	72 63 65	65 65 70	20 70 79	61 78 74	74 43 65	61 6E	22246242562	0B 03 16		.AGV: .AGW: .AGX:	.ASCII .ASCII .ASCII	<3>\!AC\ <11>\Data errors\ <3>\!AC\ <22>\Unexpected packet type\
65	74 6F	61	64	70	75	20			79 69 6B	74 74 63	650375	6E 741 6F 68 41	65 21 52	IU	OOBAA P	.AGZ:	.ASCII	<3>\!AC\ <29>\Routing update checksum error\
20	65		6F 6E					65	63	61	43 6A 72	64 64	63 21 41	03 10 61	00BB9 00BC8 P 00BCC P	.AHC:	:ASCII	<3>\!A(\ <28>\Adjacent node address change\
72	20 74	6E 75	6F 6F	69	74 60				66	69	43 72 69	41 65 65 41	21 56 63	03 10 65	00BDB 00BE9 P 00BED P 00BFC	.AHD:	.ASCII	<3>\!AC\ <28>\Verification receive timeout\
1		77	65	6B	73				69	73	43	41 65 41	21	03 0C	OOCOE P	.AHF:	.ASCII	<3>\!AC\ <12>\Version skew\ :
20	65 66	64 6F	6F 20	6E 74	20 75	74 6F	6E 20		63 73	61 65 65	43 6A 72		41	03 22 61	00C1B P	.AHH:	.ASCII	<pre>\'Adjacent node address out of range\ :</pre>
20	65 6F	64 6F	6F 74	6E 20	20	74 7A	6E 69	65 73	63	61 68 60	63 63 60	64 64 64 64 67 61	62562524662466246	2016016000267026701670	00C42 P	.AHJ: .AHK:	:ASCII	<3>\!AC\ \"Adjacent node block size too small\
69 60	66	69 76	72 20	65	76 65	20	64 73	69	6C 6E	61 6F	43 76 69	41 6E 74	21 49 61	03 1F 63	00C69 P 00C6D P 00C7C	.AHM:	.ASCII	<3>\!AC\ <31>\Invalid verification seed value\
											43	41	65	63	00C8B 00C8D P	.AHN:	.ASCII	<3>\!AC\

CON VO4	SOLE														C 16 16-Sep 14-Sep	-1984 01:31 -1984 12:28	1:10 VAX-11 Bliss-32 V4.0-742 Page B:46 DISK\$VMSMASTER:[EVL.SRC]CONSOLE.B32;1
20 76	65	65	6F 63	6E 65	20 72	74	6E 72 75	65 65 6F	63 6E 65	61 65 60	6A 74 69 43	73	69	26	00C91 P.AH 00CAO 00CAF	D: .ASCII	\&Adjacent node listener receive timeout\
20 76	65	64	6F 63	6E 65	20 72 64	74 20 69	6E 72 6C	65 65 61	63 6E 76	61 65 6E 61	043 674 674 743	9341 437261 1	21169	25000	OOCBS P.AH OOCBC P.AH OOCCB OOCDA	P: :ASCII	<pre>&lt;3&gt;\!AC\ Adjacent node listener received invalid\</pre>
			64	65	60	69	61	66	20	60	60	61 61 61	6224666242572624656	2660266200036670161E	OOCE4 OOCE9 P.AH OOCED P.AH OOCF9 P.AH	R: ASCII S: ASCII T: ASCII	\ data\ <3>\!AC\ <11>\Call failed\ <3>\!AC\
70 65	72	6E 69	6F 75	69 71	74 65 61 64	61 72 68 6F	63 50 6E	69 64 20 20	66 72 60 49	69 6F 6F 49	72 77 72	65 73 66	56 73 20	61	00CFD P.AH 00D0C 00D1B	U: .ASCII	\2Verification password required from Pha\ ;
6A	64	61	20	65 79							729 43 6F 6E 3D	67360125550 47650	65 21 44	73 03 18	00D25 00D30 P.AH 00D34 P.AH	V: ASCII	\se III node\ <3>\!AC\ <24>\Dropped by adjacent node\
69 55	73 21	72 2E	65 40	76 55	62 65 20 21	20 64 64 2E	64 65 40	65 6E 76 55	70 20 69 21	70 74 65 20	63 30	65	52 6E	1E 6F 4C	00D43 00D4D P.AH 00D5C 00D6B	X: .ASCII	<30>\Received version = !UL.!UL.!UL\
						60	62	61	68	63	43 61 43	41 65 41	21 52 21	03 09 03	00D6C P.AH 00D70 P.AH 00D7A P.AI	Z: .ASCII	<3>\!AC\ <9>\Reachable\ <3>\!AC\
		20	65 3D 3D	6C 20 20	62 65 65	61 74 74	68 61 61	63 74 74	61 73 73	65 20 20	72 64 77 43	41 65 41 6E 65 41	252554E1819141	039 080 003 003 003 003 003 003 003 003	00D7E P.AI 00D8A P.AI 00D97 P.AI 00DA4 P.AI	B: .ASCII C: .ASCII D: .ASCII	<11>\Unreachable\ <12>\Old state = \ <12>\New state = \ <3>\!AC\
								64	65 54	74 52	6C 43 54	61 41 53 41	48 21 49	06 03 05	OODAS P.AI OODAS P.AI OODB3 P.AI OODB9 P.AI	F: .ASCII G: .ASCII H: .ASCII	<6>\Halted\ <3>\!AC\ <5>\ISTRT\ <3>\!AC\ :
							67	6E	54 69	52 6E	543 6E3	53 41 75 41		07	00DBD P.AI 00DC3 P.AI 00DC7 P.AI	J: .ASCII K: .ASCII L: .ASCII	<5>\ASTRT\ <3>\!AC\ <7>\Running\ ;
75	62	69	65 72	63 74	6E 20 20	61 30 64	6E 20 65	65 72 74	74 65 63	6E 64	43 69 61 67 67 67 67 67 67 67 67 67 67 67 67 67	41 61 65 72 72 72 72 41 74	524455656572524624624 6246246246246246246246246246246246246246	03B98487135393C035D03F	00DCF P.AI 00DD3 P.AI 00DDF P.AI 00DE9 P.AI	N: .ASCII	<3>\!AC\ <11>\Maintenance\ <9>\Header = \ <24>\Selected tributary = !UL\ :
75	62	69	72	74	20	51 30 64 55 73 55 72	6E 20 65 21 75 21 61	65 72 74 20 60 74	65 63 30 69 30 75	645 645 7262 620	79 65	72	50	74	00DF8 00E02 P.AI 00E11	a: .ASCII	
74	61	74	73	20	79	72	61	74	75	62	69 30	72	54	13	00E1B P.AI	R: .ASCII	<19>\Tributary status = \
					67	6E	69	6D	61	65	72	74	21 53	03	00E2F P.AI 00E33 P.AI	T: .ASCII	<3>\!AC\ <9>\Streaming\ <3>\!AC\ :
64	6E 74	65 75	73 6F	20 65	64 60	65	75 74	6E 20	69	74 65	6E 74	6F 66	43	10	00E3D P.AI 00E41 P.AI 00E50	V: .ASCII	<28>\Continued send after timeout\
64	6E	65	73	20	64	65	75 64	6E 20	69	74 65	43 6E 74	6F 66 41 6F 66 41	21	10	00E5E P.AI 00E62 P.AI 00E71	X: ASCII	<3>\!AC\ <29>\Continued send after deselect\
6E	69	60	61	65	72	74	73	20	64	65	43	41 6E	21	03 0F	00E80 P.AI	Z: .ASCII	<3>\!AC\ <15>\Ended streaming\
75	62	69	72	74	20 40	64	65	76 20	69 30	65	63 79	65 72	52 61	67 18 74	00E93 00E94 P.AJ 00EA3	A: .ASCII	<24>\Received tributary = !UL\

(5)

CON VO4	SOLE														1	D 16 6-Sep-19 4-Sep-19	84 01:31 84 12:28	0 VAX-11 6 DISK\$V	Bliss-32 V4.0-742 /MSMASTER:[EVL.SRC]CONSOLE.B3	Page 38 2;1 (5)
30	20	68	74	67	6E	65	60	20	6B	63	6F	65	42	12	OOEAD	P.AJB:	.ASCII	18>\Block L	length = !UL\	
20	68	74	67	6E	65	60	20	72	65	66	665	75	42	13	OOECO	P.AJC:	.ASCII	19>\Buffer	length = !UL\	
61	6D	6D	6F	63	43 20 20	41 30 72	21 20 6F	20 6E 74	3D 6F 61	20 73 72	45 61 43 65	0572545170	1242421 4524	21309930	00ED4 00EDE 00EE8 00EEC	P.AJE:	.ASCII .ASCII .ASCII	9>\DTE = !A 9>\Reason = 3>\!AC\ 16>\Operato	. ,	
69	74	6	V.	65	70	6F	20	60	61	6D	43 72	41 6F	64 21 4E	6E 03 10	00EFB 00EFD 00F01	P.AJH: P.AJI:	:ASCII	3>\!AC\ 16>\Normal	operation\	
		50	3D 3D	20	65	74	61	74	73 73	20	64 77 43	65 41 6E 41	6E 4E 2F 21	6FCC32333450B0	00F12 00F1F 00F2C 00F30 00F33	P.AJJ: P.AJK: P.AJL: P.AJM: P.AJN:	.ASCII .ASCII .ASCII .ASCII	12>\Old sta 12>\New sta 3>\!AC\ 2>\On\ 3>\!AC\	ate = \ ate = \	
65	70	79	74	20	72	65	74	65	6D 55	74 61 21	43 643 772 751	66 41 68 61 20 61	241 424 255 344	03 04 15 20	00F 37 00F 3B 00F 3F 00F 44 00F 53	P.AJO:	.ASCII .ASCII .ASCII	3>\0ff\ 3>\!AC\ 4>\Shut\	ter type = #!UL\	
21	20	3D	4C 20	55 63	21 69	20 74	3D 73	20 6F	6D 55 65 6E	61 21 73 67	75 61	61	43	0B	00F5A	P.AJS: P.AJT:	.ASCII	11>\Cause = 16>\Diagnos	= !UL\ stic = !UL\	
6E	6F	73	61	65	72	20	65	72	75	60	69	61	46	55		P.AJU:	.ASCII	17>\Failure	e reason = \	
60	60	6F	63	20	65	76	69	73	73 73	65 6E	43 65 6F	41 78 69	4501 472 472 471 461	203 169 163 163	00F89	P.AJV: P.AJW:	ASCII	3>\!AC\ 20>\Excessi	ive collisions\	
20	6B	63	65	68	63	20	72	65	69	72 65	43 72 60	69	21 43 61	03 14 66	00FA2 00FA6 00FB5	P.AJX: P.AJY:	.ASCII	3>\!AC\ 20>\Carrier	check failed\	
	74	69	75	63	72	69	63	20	74	72	43 6F 43	41 68 41		03 003 003 003 003 003 003 003 17 003 11	00FBB 00FBF	P.AJZ: P.AKA: P.AKB: P.AKC: P.AKD:	.ASCII .ASCII .ASCII .ASCII	3>\!AC\ 0> 3>\!AC\ 13>\Short c 3>\!AC\	:ircuit\	
		74	69	75	63	72	69	63	20	6E	65	70	4F	ÖÇ OZ	00FD6	P.AKE: P.AKF:	.ASCII	12>\Open ci 3>\!AC\	ircuit\	
67	6E	6F	60	20	6F	6F	74	20	65	6D	61	72	46	0E 03	00FE/	P.AKG: P.AKH:	.ASCII .ASCII	14>\Frame t 3>\!AC\	too long\	
65	72	75	60	69	61	66	20	65	74 65	6F 64	6D 20	65 6F	52	17	00FFA 01009	P.AKI:	.ASCII	23>\Remote	failure to defer\	
72	65	20	6B	63	65	68	63	20	6B	63	43 6F	41 60 72	21 42 6F		01012 01016 01025	P.AKJ:	.ASCII	3>\!AC\ 17>\Block c	heck error	
	72	6F	72	72	65	20	67	6E	69	6D	61	41 72 41	21	72 03 00 03 03 19 75 17	01028	P.AKL: P.AKM: P.AKN:	.ASCII	3>\!AC\ 13>\Framing	error\	
		6E	75	72	72	65	76	6F	20	61	74	61	44	OC.	0103E	P.AKO:	.ASCII	3>\!AC\ 12>\Data ov	verrun\	1
20	72	65	66	66	75 60	62	20 61	6D 6C	65	74 61	73	79	53 6E	19	0104B 0104F 0105E	P.AKQ:	.ASCII		buffer unavailable\	
6E	75	20	72	65		66	75 60	62	20	72 60	73 76 43 65	41 73 61	131F1612412F161413E156	03 17 61	01069 01060 01070	P.AKR: P.AKS:	:ASCII	3>\!AC\ 23>\User bu	uffer unavailable\	

ONSOL	E													E 16 16-Se 14-Se	0-1984 01:3 0-1984 12:2	1:10	VAX-11 Bliss-32 V4.0-742 Pag DISK\$VMSMASTER:[EVL.SRC]CONSOLE.B32;1	ge 39
66 20 6F 69	64	4 65	7A 6E	69	6E 74	67 73	6F 65	63	65	43 72 65	41 6E 6D	21 55 61	03 1E 72	01085 P.A 01089 P.A 01098	CT: .ASCII	<3>\!	AC\ Unrecognized frame destination\	
C 55	21	20	3D 68	20	65 74	63	6E 6E	61 72	74 65	73 68	69	44	OE 12	010A7 010A8 P.A 010B7 P.A	V: .ASCII	<14>\ <18>\	Distance = !UL\ Ethernet header = \	
5 74	61	1 74	73	20	65	72	61	77	64	72	5D 61	48	12	010C6 010CA P.A	X: .ASCII	<18>\	Hardware status = \	
74	73	3 69	67	65	72	20	65	63 58 73	69 21 20	76	674D1D5D5D51	20	15	010D9 010DD P.A	Y: .ASCII	<21>\	Device register = !XW\	
	50	O 3D	20	65	74	61	74	73	20	76 20 77 43 66 43	66	4508040E1F1	017601717170000000000000000000000000000	010F3 P.A 01100 P.A 01104 P.A 01108 P.A	A: ASCII B: ASCII	<3>\!	Off\ AC\	
	20	0 65	64	6F	6E	20	65	74	6F	60	6E 65	52	02	0110C P.A 0110F P.A	E: .ASCII	<12>\0	On\ Remote node \	
	40	c 58	43	41 40 20	21 58 30	20 21 20	3D 20 73	20 30 75	65 20 74	653 460 461	41 61 49 74	4F1 42F2111E03	03 0A 09 0C	0111C P.A 01120 P.A 01124 P.A 0112F P.A 01139 P.A	G: .ASCII H: .ASCII I: .ASCII	<9>\P	AC\ Name = !AC\ PID = !XL\ Status = !XL\	
															.PSECT	\$CODE	\$,NOWRT,2	
												(	OFFC	00000 FOR	MAT_PARAMET	ER:	R2,R3,R4,R5,R6,R7,R8,R9,R10,R11 :	1043
									53		04	AC BC OO A2	DO	00002 00006	MOVL MOVL EXTZV	STRIN	IG. R3	1065 1085 1086 1087
		54			62				08		02	00 A2	EF 9F	0000F	PUSHAB	2(R2)	M, PTR 111, (PTR), PARAM_TYPE	1086
									56			6E 66	95 18	00012 00015	MOVL TSTB BGEQ	(NEXT	NEXTPTR PTR)	1088
		5A			07 86				66 06			06 06 00 03	E1 EF	00015 00017 00019 00010 00022	BBC EXTZV	#6. (	NEXTPTR), 1\$ 6, (NEXTPTR)+, FIELDS	1089
									5A			01	11 D0	00022	BRB MOVL CLRL	2\$ #1, F	TELDS	1088 1096 1098
												51 29 66	11	00027 25: 00029	BRB TSTB	8\$ (NEXT	(DTD)	1100
		50			66				06			07	18 EF	0002D 0002F	BGEQ	45	6, (NEXTPTR), RO	1102
					05				66 0F			00 19 06	11	00034	BRB	13 ,	NEXTPTR), 5\$ PTR), #15	1104
											01	66 0B	12	0003A 0003D	BITB	6\$	(TPTR), #15	1105
									50 56		01	06 66 08 A6 A046 00	9A 9E 11		BITB BNEQ MOVZBL MOVAB BRB EXTZV MOVAB AOBLEQ MOVAB MOVB	2(R0) 8\$	LNEXIPIRA, NEXIPIR	1107
		50			66				04		01	00 A046	EF 9E	0004A 6\$: 0004F 7\$:	EXTZV	1(RO)	(4. (NEXTPTR), RO [NEXTPTR], NEXTPTR OS, I, 3\$ (1), R11 (1), BYTE1	1109
					D3				51 58 58		03	A046 5A A2 6B	F 3	00054 8\$:	MOVAB	FIELD 3(PTR	S. I 3\$	1100

CONSOLE V04-000			F 16 16-Sep-1984 0 14-Sep-1984 1	1:31:10 VAX-11 Bliss-32 V4.0-742 2:28:46 DISK\$VMSMASTER:[EVL.SRC]CONS	OLE.B32;1 (5)
	59 57 55	04 A2 69 10 AC 03 0431	9E 0005F 90 00063 D0 00066 13 0006A 31 0006C D5 0006F 12 00071 8F 00073 00077 10\$: .WO	AB 4(PTR), R9 B (R9), BYTE2 L CLASS, R5 L 9\$ 134\$	1112
01	000E	0431 54 10 58 0004	31 0006C BRW D5 0006F 9\$: TST 12 00071 BNE 8F 00073 CAS 00077 10\$: .WO	EB BYTE1, #0, #1 RD 11\$-10\$,- 12\$-10\$	1121
		0000° CF 0000° CF 0000° CF 05BB 02EE 03 02EE 050	9F 0007B 11\$: PUS 9F 0007F 11 00083 9F 00085 12\$: PUS 9F 00089 31 0008D 13\$: BRW D1 00090 14\$: CMP 13 00093 31 00095 95 00098 15\$: TST 12 0009A D4 0009C 11 0009E 18 000AO 16\$: BGE D0 000A2 11 000A5 D0 000A7 17\$: MOV CF 000AA 18\$: CAS	PARAM_TYPE  14\$  B BYTE1, #0, #1  RD 11\$-10\$,-  12\$-10\$  HAB P.AAP  HAB P.AAO  13\$  HAB P.AAR  HAB P.AAR  HAB P.AAR  HAB P.AAR  HAB P.AAR  161\$  L PARAM_TYPE, #1  15\$	
	01	05BB 54 03 02EE	31 00080 13\$: BRW D1 00090 14\$: CMP 13 00093 BEQ 31 00095 BRW 95 00098 15\$: TST	161\$ L PARAM_TYPE, #1 L 15\$ 103\$	1122
		57 04 50 0A	95 00098 15\$: TST 12 0009A BNE 04 0009C CLR 11 0009E BRB	15\$ 103\$ B BYTE2 Q 16\$ L R0 18\$	1126
	50 50	05 01 03 02	18 000A0 16\$: BGE D0 000A2 MOV 11 000A5 BRB D0 000A7 17\$: MOV	Q 17\$ L #1 R0 18\$ L #2 R0	
02 001A	50 00 0010	0006	000AE 19\$: .WO	215-195,- 225-195	
		0000' CF 0000' CF 0000' CF 0000' CF	9F 000B4 20\$: PUS 9F 000B8 PUS 11 000BC BRB 9F 000BE 21\$: PUS 9F 000C2 PUS	HAB P.AAT HAB P.AAS 23\$ HAB P.AAV	
		0000' CF 0000' CF 0000' CF	11 000BC PUS 9F 000BE 21\$: PUS 9F 000C2 PUS 11 000C6 BRB 9F 000C8 22\$: PUS 9F 000CC PUS DD 000D0 23\$: PUS FB 000D2 CAL 95 000D7 TST 19 000D9 BLS 31 000DB BRW 98 000DE 24\$: CVT CE 000E1 CAS 000E8 25\$: WO	HAB P.AAU 23\$ HAB P.AAX HAB P.AAW	
	FEFO CF	03 57 03	DD 000D0 23\$: PUS FB 000D2 CAL 95 000D7 TST 19 000D9 BLS	HL R3 LS #3, APPEND_STRINGS B BYTE2 S 24\$	1127
005B 0050	50 50 01	57 50 50	31 000DB 98 000DE 24\$: CVT CE 000E1 MNE CF 000E4 CAS	BL BYTE2, RO GL RO, RO EL RO, W1, W28	1158
005B 0050 0087 007C 00B3 00A8 00DF 00D4 0107 00FD 012F 0125 0157 014D	0045 0071 0090 0009 00F3 011B 0143	0000° CF 0000° CF 0000° CF 0000° CF 53 037 017A 57 50 003A 0066 0092 008E 000E9 0111 0139 0161	9F 000B4 20\$: PUS 9F 000B8 11 000BC BRB 9F 000C2 PUS 11 000C6 BRB 9F 000C2 PUS 11 000C6 PUS 9F 000CC PUS 9F 000CC PUS 9F 000D7 TST 19 000D9 BLS 75 000D7 TST 19 000D8 PRW 98 000DE 24\$: CVT CE 000E1 CF 000E4 CAS 000F0 00108 00110 00118 00120	27\$-25\$,- 28\$-25\$,- 29\$-25\$,-	
012F 0125 0157 014D	011B 0143	0111 0139 0161	00110 00118 00120	31\$-25\$,- 32\$-25\$,- 33\$-25\$,- 34\$-25\$,-	

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G 16
16-Sep-1984 01:31:10
14-Sep-1984 12:28:46
                                                                            VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[EVL.SRC]CONSOLE.B32;1
                                                                  63$-25$,
65$-25$,
67$-25$,
69$-25$
                   9F 00122 26$:
9F 0012A
9F 0012A
9F 0013D 27$:
9F 0013S 28$:
9F 0013C 29$:
9F 0014G 29$:
9F 0014G 30$:
9F 0015C 31$:
9F 0015C 31$:
9F 0015C 31$:
9F 0015C 31$:
9F 0016A 32$:
9F 0016A 32$:
9F 0017A 34$:
9F 0017A 34$:
9F 0017B 35$:
9F 0017B 35$:
9F 0019B 37$:
9F 0019B 37$:
9F 0019B 37$:
9F 0019A 38$:
0000
                                                   PUSHAB
                                                                  P.AAZ
                                                   PUSHAB
                                                                  P.AAY
        0080
                                                   BRW
                                                                  40$
0000:
           CF
                                                   PUSHAB
                                                                  P.ABB
                                                                  P. ABA
                                                   PUSHAB
         0080
                                                   BRW
0000
                                                   PUSHAB
                                                                 P. ABD
                                                                 P. ABC
                                                   PUSHAB
        0080
                                                   BRW
0000:
                                                   PUSHAB
                                                                  P.ABF
                                                                 P. ABE 46$
                                                   PUSHAB
        008B
                                                   BRW
0000'
                                                   PUSHAB
                                                                  P. ABH
                                                                 P.ABG
                                                   PUSHAB
       008A
                                                   BRW
0000' CF
                                                   PUSHAB
                                                                  P.ABJ
                                                   PUSHAB
                                                                  P.ABI
        0089
                                                   BRW
                                                                  50$
0000' CF
                                                   PUSHAB
                                                                  P. ABL
                                                                 P.ABK
52$
                                                   PUSHAB
       0088
                                                   BRW
PUSHAB
0000: CF
                                                                  P.ABN
                                                                 P. ABM
54$
                                                   PUSHAB
        0087
                                                   BRW
PUSHAB
0000;
                                                                  P.ABP
                                                                  P. ABO
56$
                                                   PUSHAB
        0086
                                                   BRW
PUSHAB
0000' CF
                                                                  P.ABR
                                                                  P. ABQ
58$
                                                   PUSHAB
         0085
                                                   BRW
                                                   PUSHAB
0000;
                                                                  P.ABT
                                                                  P. ABS
                                                   PUSHAB
0000 CF
0000 CF
0000 CF
0000 CF
                                                   BRW
PUSHAB
                                                                  60$
                                                                 P.ABV
P.ABU
62$
                                                   PUSHAB
BRW
PUSHAB
PUSHAB
                                                                  P.ABX
P.ABW
```

FD6F

F3

8F

```
H 16
16-Sep-1984 01:31:10
14-Sep-1984 12:28:46
                                                                                                                                                                                                          VAX-11 Bliss-32 V4.0-742 Page 42 DISK$VMSMASTER: EFVL.SRC3CONSCLE.B32;1 (5)
                                                                                                                                      BRW
PUSHAB
PUSHAB
                                                                                                                                                                            64$
P.ABZ
P.ABY
66$
                                                                 001AE

001B1 39$:

001B5 40$:

001B9 40$:

001C7 43$:

001C7 43$:

001C7 43$:

001C8 44$:

001D1 45$:

001D5 46$:

001D5 46$:

001D5 40$:

001D5 50$:

001E5 99$:

001E7 53$:

001F7 53$:

001F7 53$:

001F7 53$:

001F9 53$:

001F9 53$:

002D1 54$:

002D1 54$:
0000
                       0081
                                                                                                                                       BRW
0000:
                                CF
                                                                                                                                       PUSHAB
                                                                                                                                                                              P.ACB
                                                                                                                                                                            P.ACA
                                                                                                                                       PUSHAB
                       0080
CF
CF
76
CF
                                                                                                                                       BRW
0000:
                                                                                                                                       PUSHAB
                                                                                                                                                                             P.ACD
                                                                                                                                                                            P.ACC
                                                                                                                                       PUSHAB
                                                    11
9F
9F
11
                                                                                                                                       BRB
0000:
                                                                                                                                        PUSHAB
                                                                                                                                                                              P.ACF
                                                                                                                                                                             P.ACE
70$
                                                                                                                                       PUSHAB
                                                                                                                                       BRB
0000:
                                                    99119911991199119911991199119911991
                                                                                                                                        PUSHAB
                                                                                                                                                                              P.ACH
                                                                                                                                                                             P.ACG
70$
                                                                                                                                       PUSHAB
                                                                                                                                       BRB
0000:
                                                                                                                                        PUSHAB
                                                                                                                                                                             P.ACJ
                                                                                                                                                                             P.ACI
70$
                                                                                                                                        PUSHAB
                                                                                                                                       BRB
0000
                                                                                                                                        PUSHAB
                                                                                                                                                                             P.ACL
                                                                                                                                                                             P. ACK
70$
                                                                                                                                        PUSHAB
                                                                                                                                       BRB
0000
                                                                                                                                        PUSHAB
                                                                                                                                                                             P.ACN
                                                                                                                                                                             P.ACM
70$
                                                                                                                                        PUSHAB
                                                                                                                                        BRB
0000:
                                                                                                                                        PUSHAB
                                                                                                                                                                              P.ACP
                                                                                                                                                                             P.ACO
                                                                                                                                        PUSHAB
                                                                                                                                        BRB
0000:
                                                                                                                                        PUSHAB
                                                                                                                                                                             P.ACR
                                                                                                                                                                             P.ACQ
70$
                                                                                                                                       PUSHAB
                                                                                                                                       BRB
0000:
                                                                                                                                       PUSHAB
                                 CF
CF
CF
CF
                                                                                                                                                                              P.ACT
                                                                                                                                                                             P.ACS
70$
                                                                                                                                       PUSHAB
                                                                                                                                       BRB
0000.
                                                                                                                                        PUSHAB
                                                                                                                                                                              P.ACV
                                                                                                                                                                             70$
                                                                                                                                       PUSHAB
                                                                  00229 62$:
0022B 63$:
0022F
00233 64$:
00235 65$:
00239 66$:
00237 67$:
00247 68$:
00247 68$:
00247 68$:
00249 69$:
00250 70$:
00253 71$:
00258 71$:
00258 72$:
00266 00264
                                                                                                                                       BRB
PUSHAB
0000
                                                                                                                                                                              P.ACX
                                                                                                                                                                            P.ACW
70$
                                                                                                                                       PUSHAB
                                                                                                                                       BRB
PUSHAB
0000:
                                 CF12FF88FF838A3
                                                                                                                                                                              P.ACZ
                                                                                                                                                                             P.ACY
                                                                                                                                       PUSHAB
                                                                                                                                      BRB
PUSHAB
PUSHAB
BRB
PUSHAB
0000:
                                                                                                                                                                              P.ADB
                                                                                                                                                                             P.ADA
70$
0000:
                                                                                                                                                                              P.ADD
                                                                                                                                                                            P.ADC
R3
#3, APPEND_STRINGS
FIELDS, #2
72$
100$
                                                                                                                                       PUSHAB
                                                                                                                                      PUSHAB
PUSHL
CALLS
CMPL
BGEQ
BRW
CMPB
BNEQ
PUSHAB
PUSHL
                                                     DD
FB
D1
                                                                                                                                                                                                                                                                                                                                                                                                              1159
                                                     18
31
91
9F
DD
                                                                                                                                                                            BYTE2, #-13
                                                                                                                                                                                                                                                                                                                                                                                                              1164
                                                                                                                                                                             P.ADE
0000
```

CONSOLE V04-000					I 16 16-Sep-1 14-Sep-1	984 01:31:10 984 12:28:46		age 43
	002A	0020	FD56 CF 00 0016 003E	06 02 000C 0034	FB 0026C 8F 00271 00276 73\$: 0027E	CALLS #2 CASEB 60 .WORD 74 75 76	P. APPEND_STRINGS (PTR), #0, #5 (\$-73\$,- 5\$-73\$,- 7\$-73\$,-	1171
				0000° CF 0000° CF 0000° CF 0000° CF 0000° CF 0000° CF 0000° CF 0000° CF	9F 00282 74\$: 9F 00286 11 0028A 9F 0028C 75\$: 9F 00290 11 00294 9F 0029A 76\$: 9F 002A0 77\$: 9F 002A4 11 002A8 9F 002AA 78\$: 9F 002AE 11 002B2	PUSHAB P.	S - 73	
	002A	05 0020	F5 8F F7 8F F8 8F FCEC CF 00 0016 003E	0000° CF 0000° CF 68 57 0000° CF 57 0000° CF 0000° CF 0000° CF 0000° CF	11 002B2 9F 002B4 79\$: 9F 002B8 11 002BC 91 002BE 80\$: 13 002C2 91 002C4 19 002C8 91 002CA 14 002CE 9F 002D0 81\$: DD 002D4 FB 002D6 8F 002D8 002E8	CMPB BY BEQL 81 CMPB BY BLSS 93 CMPB BY BGTR 93	YTE2, #-11 1\$ YTE2, #-9 3\$ YTE2, #-8	1172 1173 1180
			003E	0000° CF 0000° CF 0000° CF 0000° CF 0000° CF 0000° CF 0000° CF 0000° CF 0000° CF 0000° CF	9F 002EC 83\$: 9F 002F0 11 002F4 9F 002F6 84\$: 9F 002FA 11 002FE 9F 00300 85\$: 9F 00308 86\$: 9F 00308 87\$: 9F 00312 88\$: 9F 00314 89\$: 9F 00318 11 0031C 90\$:	PUSHAB P.	APPEND_STRINGS (PTR), #0, #5 35-82\$, - 45-82\$, - 75-82\$, - 75-82\$, - 75-82\$, - 75-82\$ ADV ADU 2\$ ADX ADW 2\$ ADZ ADZ ADZ AEB AEA	

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		J 16 16-Sep-1984 01:31:10 VAX- 14-Sep-1984 12:28:46 DISE	11 Bliss-32 V4.0-742 Page 44 SVMSMASTER:[EVL.SRC]CONSOLE.B32;1 (5)
	FC9A CF E3 8F F0 8F FA 8F	57 91 0032F 93\$: CMPB BYTE2, #-2 0C 13 00335 BEQL 94\$ 57 91 00335 CMPB BYTE2, #-2 06 13 00339 BEQL 94\$ 57 91 0033B CMPB BYTE2, #-2 2F 12 0033F BNEQ 100\$ 2F 12 00341 94\$: PUSHAB P.AEE	1182
0012	FC7B CF 0078 8F 000C	06 AZ AF 0034C CASEW 6(PTR), N 0006 00353 958: .WORD 968-958,-	20, #2 1183
	FC57 CF 03	02 FB 00347	1189
01	02 FC31 CF 00 000E	54 D1 00386 103\$: CMPL PARAM_TYPE 28 12 00389 BNEQ 107\$ 0000' CF 9F 0038B PUSHAB P.AEJ 53 DD 0038F PUSHL R3 02 FB 00391 CALLS #2, APPENI 58 8F 00396 CASEB BYTE1, #0 0004 0039A 104\$: .WORD 105\$-104\$	, #2
001E	03 000 0014	0000' CF 9F 0039E 105\$: PUSHAB P:AEL 0000' CF 9F 003A2 PUSHAB P.AEK 0000' CF 9F 003A8 106\$: PUSHAB P.AEN 0000' CF 9F 003AC PUSHAB P.AEN 0080 31 003B0 BRW 119\$ 54 D1 003B3 107\$: CMPL PANAM_TYPE 40 12 003B6 BNEQ 115\$ 58 BF 003B8 CASEB BYTE1, #0 000A 003BC 108\$: .WORD 109\$-108\$ 111\$-108\$ 112\$-108\$	. #3 1200 1206
		0000' CF 9F 003CA PUSHAB P.AEP 0000' CF 9F 003CA PUSHAB P.AEO	

	K 16 16-Sep-1984 01:31:10 VAX-11 Bliss-32 V4.0-742 Page 14-Sep-1984 12:28:46 DISK\$VMSMASTER:[EVL.SRC]CONSOLE.B32;1	45
0000° CF 9F 0000° CF 9F 7F 11	003CE	
0000° CF 9F 0000° CF 9F 7F 11	003D8 BRB 125\$ 003DA 111\$: PUSHAB P.AET 003DE PUSHAB P.AES 003E2 BRB 127\$	
0000° CF 9F 0000° CF 9F 7F 11	003E4 112\$: PUSHAB P.AEV 003E8 PUSHAB P.AEU	
7F 11	003EC BRB 129\$ 003EE 113\$: PUSHAB P.AEX	
05 75 11 05 54 01	003F6 114\$: BRB 129\$ 003F8 115\$: CMPL PARAM_TYPE, #5	1207
7E 69 3C 0000V CF 01 FB	00750 MOV7UI (00) -/CD)	1208
0000° CF 9F	00405 PUSHL RO :	
0000° CF 9F 0000° CF 9F 75 11 05 54 D1 2B 12 69 3C 0000° CF 9F 50 DD 0000° CF 9F 53 DD FBB5 CF 03 FB 01 5A D1 0857 31	0040B PUSHL R3 0040D CALLS #3, APPEND STRINGS	1200
01 5A D1 03 14 0857 31	00412 CMPL FIELDS, #1 : 00415 BGTR 116\$ : 00417 BRW 279\$ :	1209
0857 31 07 A2 95 7E 13	0041D BEQL 133\$ ;	1210
07 A2 9F 0000 CF 9F	0041F PUSHAB 7(PTR) 00422 PUSHAB P.AEZ 00426 117\$: BRB 129\$	1211
07 A2 95 7E 13 07 A2 9F 0000' CF 9F 45 11 06 54 D1 08 12 5B DD 0000' CF 9F 38 11	00426 117\$: BRB 129\$ 00428 118\$: CMPL PARAM_TYPE, #6 0042B BNEQ 120\$ 0042D PUSHL P11	1212
0000, Ct 3t	0042B BNEQ 120\$ 0042D PUSHL R11 0042F PUSHAB P.AFA	
07 54 D1 08 12	00433 119\$: BRB 129\$ 00435 120\$: CMPL PARAM_TYPE, #7 00438 BNEQ 122\$	1213
0000' CF 9F	00435 120\$: CMPL PARAM_TYPE, #7 00438 BNEQ 122\$ 0043A PUSHL R11 0043C PUSHAB P.AFB 00440 121\$: BRB 129\$	
08 54 D1 29 12 02 00 58 8F	00440 1215: BRB 1295 00442 1225: CMPL PARAM_TYPE, #8	1214
07 54 D1 08 12 5B DD 0000' CF 9F 2B 11 08 54 D1 02 00 58 8F 001A 0010 0006	0041F	1218
	128\$-123\$	
0000° CF 9F 0000° CF 9F 12 11 0000° CF 9F	00455 PUSHAB P.AFC 00459 1258: BRB 1298 00458 1268: PUSHAB P.AFF	
0000° CF 9F	0045B 126\$: PUSHAB P.AFF 0045F PUSHAB P.AFE	
0000' CF 9F	00442 1228: CMPL PARAM_TYPE, #8 00447	
0000° CF 9F 0000° CF 9F 0000° CF 9F 0000° CF 9F 01DB 31 03 13 07ED 31	00451 124\$: PUSHAB P.AFD 00455 PUSHAB P.AFC 00459 125\$: BRB 129\$ 0045B 126\$: PUSHAB P.AFF 0045F PUSHAB P.AFE 00463 127\$: BRB 129\$ 00465 128\$: PUSHAB P.AFH 00469 PUSHAB P.AFG 00460 129\$: BRW 161\$ 00470 130\$: CMPL PARAM_TYPE, #9 00473 BEQL 131\$ 00475 BRW 278\$	1220
07ED 31	00473 BEQL 131\$ :	

		FAD1 CF	0000° CF 53 02 54 40 54 57	12 004E7 D4 004E9 9F 004EB DD 004EF FB 004F1 D5 004F6 1 13 004F8 D1 004FA	BNEQ CLRL PUSHAB PUSHL CALLS TSTL BEQL CMPL BGTRU	142\$ R7 P.AFP R3 W2, APPEND_STRINGS PARAM_TYPE 149\$ PARAM_TYPE, #2 149\$ R7	1240
0026	03 001c	00	58 0008	04 004FF 8F 00501 00505 1	CLRL CASEB .WORD	BYTE1 #0. #3 144\$-143\$;-	1241
0020	OUTC	0012				145\$-143\$,- 146\$-143\$,- 147\$-143\$ P.AFR P.AFQ 148\$ P.AFT P.AFS	
			0000' CF	9F 00511	44\$: PUSHAB	P.AFR P.AFQ	
			10	11 00515	45\$: BRB PUSHAB	148\$	
			0000° CF	9F 0051B	PUSHAB	P.AFS	
			0000' CF	11 0051F 9F 00521 1	46\$: BRB PUSHAB	148\$ P.AFV	

				1	1 16 5-Sep-19 4-Sep-19	984 01:31 984 12:28	:10 VAX-11 Bliss-32 V4.0-742 Page:46 DISK\$VMSMASTER:[EVL.SRC]CONSOLE.B32;1	e 47 (5)
		0000	CF	9F 00525 11 00529		PUSHAB	P.AFU :	
		0000	CF CF CF 533	11 00529 9F 0052B	1475:	BRB PUSHAB	148\$ P.AFX	
		0000	53	9F 0052B 9F 0052F DD 00533 FB 00535	1485:	PUSHAB	P. AFW R3	
FA8D	CF 03		05 54 2F	12 0053A	149\$:	PUSHL CALLS CMPL BNEQ CLRL	#3, APPEND_STRINGS PARAM_TYPE, #3 150\$ R7	1242
0000v	7E CF		69 050 050 050 050 050 050 050 050 050 05	3C 00541 FB 00544		MOVZWL CALLS PUSHL PUSHAB	(R9) -(SP) #1 FORMAT_NODEADR R0	1243
		0000	CF 53	9F 0054B		PUSHAB	P. AFY R3	
FA71	CF 01			DD 0054F FB 00551 D1 00556		CALLS	#3. APPEND STRINGS	1244
		07	13	15 00559		BLEQ TSTB BEQL PUSHAB PUSHAB	FIELDS, #1 150\$ 7(PTR)	1245
			0E	13 0055E		BEOL	150\$ 7(PTR)	1246
		0000	CF	9F 00560 9F 00563 DD 00567 FB 00569		PUSHAB	P. AFZ R3	1240
FA59	CF 04		5132E2F3334	FB 00569 D1 0056E	150\$:	CALLS CMPL BNEQ CLRL	#3. APPEND_STRINGS PARAM_TYPE, #4	1247
			0D 57	12 00571 04 00573		BNEQ	151\$ R7 P_AGA	
		0000	CF 53 02	9F 00575 DD 00579		PUSHAB	P. AGA	
FA47	CF 05		02	FB 0057B 01 00580	151\$:	CALLS CMPL BNEQ CLRL PUSHAB	#2, APPEND_STRINGS PARAM_TYPE, #5	1248
	0,		0D 57	12 00583 04 00585	1310.	BNEQ	152\$ :	1240
		0000	CF 53	9F 00587		PUSHAB	P.AGB :	
FA35	CF 04		92	DD 0058B FB 0058D D1 00592	1526.	PUSHL CALLS CMPL	R3 W2, APPEND_STRINGS PARAM_TYPE, W4	12/0
			28	1F 00595	152\$:	BLSSU	PARAM_TYPE, #5	1249
	05		024 548 543 57	D1 00597 1A 0059A		RGTRII	153\$ R7	
	7E		69	D4 0059C 9A 0059E 9F 005A1 DD 005A5 FB 005A7		CLRL MOVZBL PUSHAB PUSHL CALLS CMPL	(R9), -(SP)	1250
		0000,	69 CF 53	DD 005A5		PUSHAB	P.AGC	1
FA1B	CF 03		03 5A	D1 005AC		CALLS	#3, APPEND_STRINGS : FIELDS, #3	1251
		0000°	5A 0E A2 CF 53	15 005AF 9F 005B1		BLEQ PUSHAB PUSHAB	FIELDS, #3" 153\$ 10(PTR)	1252
		0000.	CF 53	9F 005B4 DD 005B8		Dilchi	R3	
FA08	CF 06		54	9F 005B4 DD 005B8 FB 005BA D1 005BF	153\$:	CALLS	#3. APPEND STRINGS	1253
			0F 57	12 005C2 04 005C4		CALLS CMPL BNEQ CLRL PUSHL PUSHAB PUSHL CALLS	PARAM_TYPE, #6 154\$ R7	
		0000	5B CF	9F 005C8		PUSHL	R11 P.AGE	
F9F4	CF		OF 57 5B CF 53 03	DD 005CC FB 005CE		PUSHL	R11 P.AGE R3 #3, APPEND_STRINGS	

## CONSOLE VO4-000

			B 1 16-Sep-1 14-Sep-1	984 01:31:10 VAX-11 Bliss-32 V4.0-742 984 12:26:46 DISK\$VMSMASTER:[EVL.SRC]CONSO	Page 48 LE.B32;1 (5)
	07	54 00 57 0000° CF	D1 005D3 154\$: 12 005D6 D4 005D8 9F 005DA	CMPL PARAM_TYPE, #7 BNEQ 155\$ CLRL R7 PUSHAB P.AGF PUSHL R3	: 1254
F9E2	CF 08	0000° CF 57 02 53 0675 0675	D4 005D8 9F 005DA DD 005DE FB 005E0 D1 005E5 155\$: 13 005E8 31 005EA D4 005ED 156\$:	PUSHL R3 CALLS #2, APPEND_STRINGS CMPL PARAM_TYPE, #8 BEQL 156\$ BRW 277\$ CLRL R7 PUSHL R11 PUSHAB P.AGG	1255
	03	0000° CF 0663	9F 005F1 31 005F5 D1 005F8 157\$:	CMPL R5, #3	1259
		58	12 005FB D5 005FD	CMPL R5. #3 BNEQ 1638 TSTL PARAM_TYPE	1263
		0000' CF 53 02	9F 00601 DD 00605	BNEQ 158\$ PUSHAB P.AGH PUSHL R3	1264
F9BB	CF 01	0509	31 0060C D1 0060F 158\$:	BNEQ 163\$ TSTL PARAM_TYPE BNEQ 158\$ PUSHAB P.AGH PUSHL R3 CALLS #2, APPEND_STRINGS BRW 269\$ CMPL PARAM_TYPE, #1 BNEQ 159\$ MOVZBL BYTE1, -(SP) PUSHAB P.AGI BRB 161\$ CMPL PARAM_TYPE, #2 BEQUITION	1265 1266
	7E	0000° CF 2E 54 03 0640	12 00612 9A 00614 9F 00617	MOVZBL BYTE1, -(SP) PUSHAB P.AGI	
	02	54	11 0061B 01 0061D 159\$: 13 00620	BEQL 160\$	1267
0000v	7E CF	01 50	13 00620 31 00622 3C 00625 160\$: FB 00628 DD 0062D 9F 0062F DD 00633	MOVZWL (R9), -(SP) CALLS #1, FORMAT_NODEADR PUSHL R0	1268
F98D	CF 01	0000° CF 53 03 54	DD 00633 FB 00635 D1 0063A	PUSHL R5	1269
		07 A2 07 A2 07 A2 07 A2 061C 061C 01D5	95 0063F 13 00642 9F 00644	CALLS #3, APPEND_STRINGS CMPL FIELDS, #1 BLEQ 162\$ TSTB 7(PTR) BEQL 162\$ PUSHAB 7(PTR) PUSHAB P_AGK PUSHL R3 CALLS #3 APPEND STRINGS	1270 1271
F975	CF	07 A2 0000' CF 53 03	9F 00647 DD 0064B 161\$: FB 0064D	PUSHAB P.AGK PUSHL R3 CALLS #3. APPEND STRINGS	
	04	061C 55 03	31 00652 162\$: 01 00655 163\$: 13 00658	BRW 279\$ CMPL R5, #4 BEQL 164\$	1269
	57	01D5 01 54 1A	FB 00635 D1 0063A 15 0063D 95 0064F 13 00642 9F 00647 DD 0064B 161\$: FB 0064D 31 00652 162\$: D1 00655 163\$: 13 0065A D0 0065A D0 0066A DD 0066A FB 0066C DD 00671 DD 00677	CALLS #3, APPEND_STRINGS CMPL FIELDS, #1 BLEQ 162\$ TSTB 7(PTR) BEQL 162\$ PUSHAB 7(PTR) PUSHAB P.AGK PUSHL R3 CALLS #3, APPEND_STRINGS BRW 279\$ CMPL R5, #4 BEQL 164\$ ERW 200\$ MOVL #1, R7 (STL PARAM_TYPE BNEQ 165\$ CLRL R7 PUSHAB P.AGL PUSHL R3 CALLS #2, APPEND_STRINGS PUSHL MAXLEN PUSHL MAXLEN PUSHL R3	1276 1279
		0000° CF	04 00664 9F 00666	CLRL R7 PUSHAB P.AGL	1280
F956	CF	0000° CF 53 02 00 AC 04 AE 53	FB 0066C DD 00671 DD 00674	CALLS #2, APPEND_STRINGS PUSHL MAXLEN PUSHL 4(SP)	1281

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			C 1 16-Sep-1984 01:31:10 VAX-11 Bliss-32 V4.0-742 Page 14-Sep-1984 12:28:46 DISK\$VMSMASTER:[EVL.SRC]CONSOLE.B32;1 (	49
0000v	CF 01		03 FB 00679 CALLS #3, UNKNOWN_PARAM_DATA : 12	282
F937	CF	0000	1A 12 00681 BNEQ 166\$ 57 D4 00683 CLRL R7 CF 9F 00685 PUSHAB P.AGM 53 DD 00689 PUSHL R3 02 FB 0068B CALLS #2. APPEND_STRINGS	283
		0¢	AC DD 00690 PUSHL MAXLEN : 12	284
0000v	CF 02		10 12 006A0 BNEQ 167\$ ;	285
	7E	0000	6B 3C 006A4 MOVZWL (R11), -(SP) CF 9F 006A7 PUSHAB P.AGN 53 DD 006AB PUSHL R3 ;	
F915	CF 03		03 FB 006AD	286
F903	CF 08	0000'	CF 9F 006B9 PUSHAB P.AGO ; 53 DD 006BD PUSHL R3 ; 02 FB 006BF CALLS #2. APPEND STRINGS ;	
	08	0000.	OD 12 006C7 BNEQ 169\$	287
F8F1	CF 04	0000	53 DD 006CF PUSHL R3 02 FB 006D1 CALLS #2, APPEND_STRINGS ; 54 D1 006D6 169\$: CMPL PARAM TYPE, #4 ; 12	288
		0000	0D 12 006D9 BNEQ 170\$ ; 57 D4 006DB CLRL R7 ; CF 9F 006DD PUSHAB P.AGQ ; 53 DD 006F1 PUSHL R3	
F8DF	CF 03		53 DD 006E1 PUSHL R3 02 FB 006E3 CALLS #2, APPEND_STRINGS 54 D1 006E8 170\$: CMPL PARAM_TYPE, #3 55 DD 006EB BLSSU 171\$ 56 D1 006EB BLSSU 171\$ 57 D1 006ED CMPL PARAM_TYPE, #4 05 1B 006F0 BLEQU 172\$	289
	08		34 DI UUDIZ I/ID: LMPL PAKAM_ITPE, #6	
0000v	7E CF		2f 12 006f5 BNEQ 173\$ : 57 D4 006f7 172\$: CLRL R7 69 3C 006f9 MOVZWL (R9), -(SP) : 12 01 FB 006fC CALLS #1, FORMAT_NODEADR : 50 DD 00701 PUSHL R0 : : CF 9f 00703 PUSHAB P.AGR : : 53 DD 00707 PUSHL R3 : :	90
F8B9	CF 01	0000°	53 DD 00707 PUSHL R3 03 FB 00709 CALLS #3. APPEND STRINGS :	
	01	0"	5A D1 0070E CMPL FIELDS, #1 : 12 13 15 00711 BLEQ 173\$ : 12 A2 95 00713 TSTB 7(PTR) : 12	91
		0000	CI /I VOI ID I VOI IN I I I I I I I I I I I I I I I I I	93
F8A1	CF		53 DD 0071F PUSHL R3 03 FB 00721 CALLS #3, APPEND_STRINGS :	

CONSOLE VO4-000		05	54 03	D1 13		1 -Sep-1 -Sep-1 173\$:	984 01:31 984 12:28 CMPL BEQL	
003D 0065 008D	0E 0033 005B 0083 00AB	00 0029 0051 0079 00A1	03 00C0 57 58 001E 0047 006F 0097	13 31 04 8F	00726 00728 0072E 00730 00734 0073C 0074C	174\$: 175\$:	CMPL BEQL BRW CLRL CASEB .WORD	PARAM_TYPE, #5 174\$ 193\$ R7 BYTE1, #0, #14 176\$-175\$,- 177\$-175\$,- 179\$-175\$,- 180\$-175\$,- 181\$-175\$,- 182\$-175\$,- 182\$-175\$,- 184\$-175\$,- 184\$-175\$,- 185\$-175\$,- 186\$-175\$,- 186\$-175\$,- 187\$-175\$,-
			0000° CF 0000° CF 000	993991991199119911991199119911991199119	00752 00756 00756 00756 00767 00765 00767 00778 00778 00778 00778 00789 00789 00789 00789 00789 00789 00789 00789 00781 00789 00781 00765 00768 00768 007789 00789	176\$: 177\$: 178\$: 179\$: 180\$: 181\$: 182\$: 183\$: 184\$: 185\$: 186\$: 186\$:	PUSHAB PUSHAB	192\$ P.AHA P.AGZ 192\$ P.AHC P.AHB 192\$ P.AHE P.AHD 192\$ P.AHG P.AHF 192\$ P.AHI 192\$ P.AHH 192\$ P.AHM P.AHL 192\$ P.AHM P.AHL 192\$ P.AHO

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					15	1 5-Sep-19 5-Sep-19	84 01:31: 84 12:28	10 VAX-11 Bliss-32 V4.0-742 Pag 46 DISK\$VMSMASTER:[EVL.SRC]CONSOLE.B32;1	e 53 (5)
			0000'	CF 9	F 0092B		PUSHAB BRB PUSHAB PUSHAB	P.AIW 220\$ P.AIZ P.AIY	
			0000.	CF 9	F 00931 F 00935 D 00939 B 00938	219 <b>\$</b> : 220 <b>\$</b> :	PUSHAB	P.AIZ P.AIY R3	
	F687	CF 06		03 F 54 D	2 00943	2215:	PUSHL CALLS CMPL BNEQ CLRL MOVZBL PUSHAB	#3, APPEND_STRINGS PARAM_TYPE, #6 222\$ R7	1340
		7E	0000	58 9 CF 9	4 00945 A 00947 F 0094A		MOVZBL PUSHAB	BYTE1, -(SP) P.AJA	
	F672	CF 07		53 D 54 D 10 1	D 0094E B 00950	222\$:	PUSHL CALLS CMPL BNEQ CLRL MOYZWL PUSHAB PUSHL CALLS CMPL BNEQ CLRL MOYZWL PUSHAB	R3 #3, APPEND_STRINGS PARAM_TYPE, #7 223\$ R7	1341
		7E	0000	57 D 6B 3 CF 9	1 00955 2 00958 4 0095A 6 0095C F 0095F D 00963		CLRL MOVZWL PUSHAB PUSHL	R7 (R11), -(SP) P.AJB R3	
	F65D	CF 08		03 F 54 D 10 1	B 00965 1 0096A 2 0096D	223\$:	CALLS CMPL BNEQ CLRL	#3, APPEND_STRINGS PARAM_TYPE, #8 224\$ R7	1342
		7E	0000	6B 3	C 00971		MOVZWL PUSHAB	(R11), -(SP) P.AJC	
	F648	CF 09		54 D	D 00978 B 0097A 1 0097F 2 00982 4 00984	224\$:	PUSHL CALLS CMPL BNEQ CLRL PUSHL PUSHAB	R3 #3, APPEND_STRINGS PARAM_TYPE, #9 225\$	1343
			0000	5B 0	D 00986 F 00988 D 00980		PUSHL PUSHAB PUSHL CALLS	225\$ R7 R11 P.AJD R3 #3, APPEND_STRINGS	
	F634	CF OA			B 0098E 1 00993 2 00996	225\$:	CALLS CMPL BNEQ	#3, APPEND_STRINGS PARAM_TYPE, #10 230\$ R7 P.AJE	1344
			0000	54 D 57 D 57 D 58 8	00993 2 00996 4 00998 F 0099A D 0099E B 009A0		CLRL PUSHAB PUSHI	R7 P.AJE R3	
01	F622	CF 00 000E	00	02 F 58 8	B 009A0 F 009A5 009A9	226\$:	CMPL BNEQ CLRL PUSHAB PUSHL CALLS CASEB . WORD	#2, APPEND_STRINGS BYTE1, #0, #1 227\$-226\$,- 228\$-226\$ P.AJG P.AJF 229\$ P.AJI P.AJH	1347
			0000.	CF 9	F 009AD	227\$:	PUSHAB PUSHAB	P.AJG P.AJF	
			0000:	CF 9	F 009B7	228\$:	PUSHAB PUSHAB	P.AJI P.AJH	
	F601	CF OB		CF 99 99 99 99 99 99 99 99 99 99 99 99 99	07 009AD 07 009B1 1 009B5 07 009BB 07 009BB 08 009C1 08 009C8 09 009CB 09 009CB 09 009D1 09 009D3	229\$: 230\$:	PUSHAB PUSHAB PUSHAB PUSHAB PUSHL CALLS CMPL BNEQ CLRL PUSHAB PUSHL CALLS CMPL	R3 #3, APPEND_STRINGS PARAM_TYPE, #11 231\$ R7 P_AJJ	1348
			0000	CF 9	009CB 009CD 009D1		PUSHAB	K)	
	FSEF	CF OC		02 F	B 00903 1 00908	231\$:	CALLS	#2, APPEND_STRINGS PARAM_TYPE, #12	1349

COL

F4AB CF

F496 CF

7E

			16-Sep-1 14-Sep-1	984 01:31 984 12:28		CONSOLE.832;1
					248\$-243\$,- 249\$-243\$,- 250\$-243\$,- 251\$-243\$,- 253\$-243\$,- 254\$-243\$,- 255\$-243\$,- 256\$-243\$,-	
					252\$-243\$,- 253\$-243\$,- 254\$-243\$,-	
0000	CF	9F 00A9 9F 00A9 11 00A9 9F 00A9	5 244\$:	PUSHAB PUSHAB	256\$-243\$' P.AJW P.AJV	
0000:	CF	9F 00A9	£ 245\$:	BRB PUSHAB PUSHAB	P.AJV 257\$ P.AJY P.AJX	
0000:	CF	9F 00A9 9F 00A9 9F 00AA 9F 00AA 9F 00AA 9F 00AA 11 00AB 9F 00AB	9 246\$:	BRB PUSHAB PUSHAB	P.AJX 257\$ P.AKA P.AJZ	
0000;	CF6FFCFF2FF8FFEFF4	9F 00AB 9F 00AB 11 00AB	3 247\$:	BRB PUSHAB PUSHAB BRB	P.AJ2 257\$ P.AKC P.AKB 257\$	
0000:	CF	OF UUVE	D JUBE.	PUSHAB PUSHAB BRB	P.AKE P.AKD 257\$ P.AKG	
0000:	CF	9F 00AC 9F 00AC 9F 00AC 11 00AC	7 249\$: B	PUSHAB PUSHAB BRB	P.AKG P.AKF 257\$ P.AKI	
0000.	CF CF CF	9F 00AD	1 2505:	PUSHAB PUSHAB BRB PUSHAB	P.AKI P.AKH 257\$	
0000.	CF CF CF	QF OOAD	R 2518.	PUSHAB PUSHAB BRB	P.AKK P.AKJ 257\$	
0000:	CF CF 26	9F 00AE 9F 00AE 11 00AE	D	PUSHAB PUSHAB BRB	P.AKM P.AKL 257\$	
0000;	CF CF CF	9F 00AE 9F 00AF 11 00AF	F 253\$:	PUSHAB PUSHAB BRB	P.AKO P.AKN 257\$	
0000.	CF 12 CF	9F 00AF 9F 00AF 11 00B0	9 254 <b>\$</b> :	PUSHAB PUSHAB BRB PUSHAB	P.AKQ P.AKP 257\$	
0000.	CF OB	9F 00B0 9F 00B0 11 00B0	7 B	BRB	P.AKP 257\$ P.AKS P.AKR 257\$ P.AKU	
0000,	CF 53	9F 00B1	5 257\$:	PUSHAB	R3	
	CF8 CFF334 CF5334 CF3334 CF3334	9F 00B0 9F 00B1 DD 00B1 FB 00B1 D1 00B1 12 00B1 D4 00B2 3C 00B2 9F 00B2 DD 00B2 FB 00B2 D1 00B3	F 253\$: 37 9 254\$: 1 255\$: 7 256\$: 1 257\$: 2 258\$: 1 3 6 A	PUSHAB PUSHL CALLS CMPL BNEQ CLRL MOVZWL PUSHAB PUSHL CALLS CMPL	PARAM_TYPE, #17 259\$ R7	137
0000	6B CF 53	3C 00B2 9F 00B2 DD 00B2	3 A	MOVZWL PUSHAB PUSHL	(R11), -(SP) P.AKV R3 #3, APPEND_STRINGS	
	54	DD 00B2 FB 00B2 D1 00B3	1 259\$:	CMPL	#3, APPEND_STRINGS PARAM_TYPE, #18	137

CON

					J 1 16-Sep-19 14-Sep-19	984 01:31 984 12:28	:10 VAX-11 Bliss-32 V4.0-742 Pa :46 DISK\$VMSMASTER:[EVL.SRC]CONSOLE.B32;1	ge 56
			0000° CF	12 00B 04 00B 9F 00B	38	BNEQ CLRL PUSHAB	260\$ R7 P. AKW	
	F484	CF	00 AC 04 AE	DD 00B FB 00B DD 00B DD 00B	45	CALLS PUSHL PUSHL	P.AKW R3 #2. APPEND_STRINGS MAXLEN 4(SP)	1372
	0000v	CF 13	0000' CF 02 04 AE 04 S3 054 1A 0000' CF 0000' CF 0000' CF 0000' CF 0000' CF 0000' CF	DD 00B FB 00B DD 00B DD 00B FB 00B D1 00B D1 00B D1 00B D1 00B	260\$:	BNEQ CLRL PUSHAB PUSHL PUSHL PUSHL CALLS BNEQ CLRL PUSHAB PUSHL PUSH PUSHL PUSH PUSH PUSH PUSH PUSH PUSH PUSH PUSH	R3 #3, UNKNOWN_PARAM_DATA PARAM_TYPE, #19 261\$ R7	1373
			0000' दुई	9F 00B	57	PUSHAB	P.AKX R3 #2. APPEND_STRINGS	
	F465	CF	00 AC 04 AE	FB 00B:	5D 62 65	CALLS PUSHL PUSHL	MAXLEN 4(SP)	1374
	0000v	CF	03	DD 00B0	6A	CALLS	#3_ UNKNOWN_PARAM_DATA	1774
		06		31 00B D1 00B 12 00B	6F 261\$: 72 262\$:	CMPL	R5, #6	1376
		57	01 54 10	DO 00B D5 00B 12 00B	77A 7C	MOVL TSTL BNEQ	R5, #6 268\$ #1, R7 PARAM_TYPE 263\$ R7	1380 1383
		7E	0000' CF	04 00B 3C 00B 9F 00B DD 00B	80	PUSHL	P.AKY	
	F439	CF 01	0000° CF 53 03 54 0000° CF 53	9F 00B DD 00B FB 00B D1 00B 12 00B	91	CALLS CMPL BNEQ CLRL	R3 #3, APPEND_STRINGS PARAM_TYPE, #1 261\$ R7 P_AKZ	1384
			0000° CF	9F 00B DD 00B	95 99	PUSHAB	N7	
01	F427	CF 00 000E	53 02 58 0004		99 98 A0 A4 264\$:	PUSHL CALLS CASEB .WORD	#2, APPEND_STRINGS BYTE1, #0, #1 265\$-264\$,- 266\$-264\$ P.ALB P.ALA 267\$ P.ALD P.ALC 276\$	1385
			0000° CF	9F 00B	A8 265\$:	PUSHAB PUSHAB	P.ALB P.ALA	
			0000° CF	9F 00B/ 9F 00B/ 9F 00B/ 9F 00B/ 31 00B/ 13 00B/ 13 00B/ 15 00B/ 16 00B/ 17 00B/ 17 00B/	80 82 266\$: 86	BRB PUSHAB PUSHAB BRW CMPL BEQL CMPL	P.ALD P.ALC	
	00000045	8F	009E	31 00BI	BA 267\$: BD 268\$:	CMPL CMPL	R5 #69	1389
	000000E1	8F	55	01 00B	66	CMPL	R5 #69 269\$ R5 #225 270\$	
	000000E2	8F	009E 55 12 55 19 55 10 00 AC 04 AE 53	14 00B	CD CF D6 D8 269\$:	CMPL BGTRU PUSHL	270s MAXLEN	1393
	0000V	CF	53	DD 00Bi DD 00Bi FB 00Bi 31 00Bi	DE	PUSHL PUSHL CALLS	4(SP) R3 UNKNOWN_PARAM_DATA	
	0800000	8F	0089 55	31 00B	E8 270\$:	BRW	#3 UNKNOWN_PARAM_DATA 279\$ R5, #128	1395

CON VO4

•		
-Sep-1984 01:31:1 -Sep-1984 12:28:4	VAX-11 Bliss-32 V4.0-742 Page 57 DISK\$VMSMASTER: [EVL.SRC]CONSOLE.B32:1 (5)	

	57		74 01 54	12 00BEF D0 00BF1 D5 00BF4 12 00BF6 D4 00BF8 9F 00BFA DD 00BFE FB 00C00 95 00C00		BNEQ MOVL TSTL BNEQ CLRL PUSHAB PUSHL CALLS TSTB BNEQ MOVZWL CALLS PUSHAB BRB PUSHAB BRB PUSHAB	278\$ #1, R7 PARAM_TYPE 273\$	1396 1399
		0000	05257F32B0910F6BF3334	12 00BF6 D4 00BF8 9F 00BFA		BNEQ CLRL PUSHAB	273\$ - R7 P_ALE	
F3C2	CF		02 6B	DD 00BFE FB 00C00 95 00C05		PUSHL CALLS TSTB	R7 P.ALE R3 #2. APPEND_STRINGS (R11) 271\$ (R9), -(SP)	1400
0000v	7E CF		69 01	12 00007 30 00009 FB 00000		MOVZWL CALLS	(R9), -(SP) #1, FORMAT_NODEADR R0	1402
		0000°	CF 06	FB 00000 DD 00011 9F 00013 11 00017		PUSHAB BRB	P.ALF 272\$ R11	
		0000	5B CF	DD 00C19 9F 00C1B DD 00C1F	2/15:	PUSHL	P.ALG	1404
F3A1	CF 01			FB 00C21 D1 00C26 12 00C29	273\$:	CALLS CMPL BNEQ	R3 #3, APPEND_STRINGS PARAM_TYPE, #1 274\$ R7	1405
		0000	OF 57 58 CF 53 03	D4 00C2B DD 00C2D 9F 00C2F		CLRL PUSHL PUSHAB	P.ALH	
F38D	CF 02		03 54 0F	FB 00C35 D1 00C3A 12 00C3D D4 00C3F	274\$:	PUSHL CALLS CMPL BNEQ CLRL PUSHAB PUSHL CALLS CMPL PUSHAB PUSHL PUSHAB PUSHL CALLS CMPL BNEQ CLRL CMPL BNEQ CLRL	R3 #3, APPEND_STRINGS PARAM_TYPE, #2 275\$ R7 (R11)	1406
		0000	0F 57 6B CF 53 03	D4 00C3F DD 00C41 9F 00C43 DD 00C47 FB 00C49 D1 00C4E		CLRL PUSHL PUSHAB	R7 (R11) P.ALI	
F379	CF 03		03 54 0F	12 00C3D D4 00C3F DD 00C41 9F 00C43 DD 00C47 FB 00C49 D1 00C51 D4 00C53 DD 00C55	275\$:	CALLS CMPL BNEQ	P.ALÍ R3 #3, APPEND_STRINGS PARAM_TYPE, #3 277\$ R7	1407
		0000	0F 57 6B CF	9F 00C57	2748.	DITCHI		
F365	CF OC	OC	CF 5337 C 5535 6	9F 00C57 DD 00C5B FB 00C5D E9 00C65 DD 00C65 DD 00C6A FB 00C6C DO 00C71	276\$: 277\$: 278\$:	PUSHAB PUSHL CALLS BLBC PUSHL PUSHL PUSHL CALLS	P.ALJ R3 #3, APPEND_STRINGS R7, 279\$ MAXLEN PTR R3	1408 1411
0000v 80	CF BC		53 03 56	DD 00C6A FB 00C6C D0 00C71 04 00C75	279\$:	PUSHL CALLS MOVL RET	R3 #3, UNKNOWN PARAMETER NEXTPTR, @PARAM	1414 1416

<sup>;</sup> Routine Size: 3190 bytes, Routine Base: \$CODE\$ + 029C

CONSOLE VO4-000

```
CONSOLE
VO4-000
                                                                                                          VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[EVL.SRC]CONSOLE.B32;1
                             ROUTINE unknown_parameter (string, ptr, maxlen): NOVALUE =
  1015
  1016
  1017
                                       Append a unknown parameter to a given string.
  1019
                               Inputs:
                                      desc = Address of current string buffer ptr = Address of parameter (data id, data type, ...) maxlen = Maximum length that the parameter may be
                               Outputs:
                                      The string is updated.
                             BEGIN
                             MAP
                                                REF $BBLOCK:
                                                                            ! Address of parameter data
                                  ptr:
                             BIND
                                                                            ! Address of string descriptor
                                  desc = .string: VECTOR;
                             append('Parameter #!UL = ', .ptr [0,0,11,0]); ! Show parameter type
  1041
1042
1043
                             unknown_param_data(desc, .ptr+2, .maxlen);
                                                                                     ! Append unknown data
                             END:
                                                                                         .PSECT $PLIT$, NOWRT, NOEXE, 2
4C 55 21 23 20 72 65 74 65 6D 61 72
                                                                        01146 P.ALK: .ASCII <17>\Parameter #!UL = \ 01155
                                                                                         .PSECT $CODE$, NOWRT, 2
                                                                  0000 00000 UNKNOWN_PARAMETER:
                                                                                          . WORD
                                                                                                                                                          1417
                                                                                                   Save nothing
             7E
                        08
                                               0B
                                                                                         EXTZV
                                                                                                   #0, #11, aPTR, -(SP)
                              BC
                                                                     EF
9F
                                                                00
CF
QC
QC
QC
QC
QC
QC
                                                                                         PUSHAB
                                                                     DD FB DD C1 DD FB
                                                                                         PUSHL
                                                                                                   STRING
                                       F33D
                                                                                                   #3, APPEND_STRINGS
                                               CF
                                                                                         CALLS
                                                          00
                                                                                                   MAXLEN
                                                                                                                                                          1444
                                                                                         PUSHL
                              7E
                                                                                                   #2, PTR, -(SP)
                                                                                         ADDL3
                                                          04
                                                                                                   STRING
                                                                                                   #3, UNKNOWN_PARAM_DATA
                                       0000V CF
                                                                                         CALLS
                                                                                         RET
                                                                                                                                                          1446
; Routine Size: 37 bytes,
                                    Routine Base: $CODE$ + QF12
```

ERI

```
CONSOLE
VO4-000
                                                                                                                      VAX-11 Bliss-32 V4.0-742 Pa
DISK$VMSMASTER: [EVL.SKC] CONSOLE.B32;1
                                ROUTINE unknown_param_data (string, param, maxlen): NOVALUE =
                                           Append a unknown parameter to a given string.
                                   Inputs:
                                          desc = Address of current string buffer param = Address of parameter data type
                                           maxlen = Maximum length that the parameter may be
                                  Outputs:
                                          The string is updated.
                                BEGIN
                               BIND
                                     desc = .string: VECTOR;
                                                                                     ! Address of atring descriptor
                               LOCAL
                                                     REF $BBLOCK,
                                                                                      ! Address of parameter data ! Number of fields in parameter
                                     ptr:
fields;
                                ptr = .param;
                                                                                      ! Point to first data type
                               IF .ptr [0,7,1,0]
AND .ptr [0,6,1,0]
                                                                                      ! If coded
                                                                                      ! and multiple number of fields,
                               THEN
                                     fields = .ptr [0,0,6,0];
                                                                                      ! Get # fields in parameter
                                                                                      ! and skip to actual first data item
                                     ptr = .ptr + 1;
                                     END
  1080
1081
1082
1083
1084
1085
1086
1087
1088
1099
1091
1093
1096
1097
1098
1099
1100
                               ELSE
                                     fields = 1:
                                                                                     ! Else, indicate only one field
                               INCR i FROM 1 TO .fields
                                                                                     ! For each field
                                     BEGIN
                                     If .ptr [0,7,1,0]
                                                                                     ! If coded
                                           INCRU j FROM 1 TO .ptr [0,0,6,0] ! For each byte in coded field
                                          append('!XB', ptr [.j.0,8,0]);

desc [0] = .desc [0] - 1; ! Str

ptr = .ptr + 1 + .ptr [0,0,6,0];

END
                                                                                      0]); ! append the hex for that byte ! Strip off the last blank
                                     ELSE
                                          IF .ptr [0,6,1,0]
                                                                                     ! If ASCII image field
                                               append('!AC', .ptr+1); ! append the string
ptr = .ptr + 2 + CH$RCHAR(.ptr+1); ! Use ASCIC length
END
                                                BEGIN
```

ERR

```
ERF
```

```
CONSOLE
VO4-000
                                                                                                                     16-Sep-1984 01:31:10
14-Sep-1984 12:28:46
                                                                                                                                                                VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER: [EVL.SRC]CONSOLE.B32;1
; 1102
; 1103
; 1104
; 1105
; 1106
; 1107
; 1108
; 1109
                                                          ELSE
                                                                  BEGIN
                                                                  LOCAL bytes, longword;
bytes = .ptr [0,0,4,0];
If .bytes EQL 0
                                                                                                                        # bytes in field
                                                                                                                     ! If zero,
                                                                  THEN
                                                                         BEGIN ! then treat as hex image (counted) INCRU j FROM 1 TO CH$RCHAR(.ptr+1) ! For each byte in
                                                                        append('!XB', .ptr [.j+1,0,8,0]); ! append the hex for that byte

ptr = .ptr + 2 + CH$RCHAR(.ptr+1);

END
                                                                                                                                                  ! For each byte in field
   1112
1113
1114
1115
1116
1117
                                                                  ELSE BEGIN
                                                                  IF .bytes GTRU 4
                                                                                                                    ! If greater than longword,
                                                                 bytes = 4; ! then truncate to longword longword = .ptr [1.0.8*.bytes.0]; ! Extract unsigned to longword SELECTONEU .ptr [0,4,2.0] ! Based on output format,
   [0]: append('!UL',.longword); ! Unsigned decimal [1]: append('!SL',.ptr [1,0,8*.bytes,1]); ! Signed decimal [2]: SELECTONEU .bytes OF SET ! Hexidecimal [1]: append('!XB', .longword); ! byte [2]: append('!XW', .longword); ! word [4,0THERWISE]: append('!XL', .longword); ! longword
                                                                        [3]: SELECTONEU .bytes OF SET ! Octal [1]: append('!OB', .longword); ! byte [2]: append('!OW', .longword); ! word [4,0THERWISE]: append('!OL', .longword); ! longword
                                                                 ptr = .ptr + 1 + .ptr [0,0,4,0];
END;
                                                                 END:
                                                   IF .ptr - .param GTRU .maxlen THEN
                                                                                                                  ! If exceeded maximum allowable length
                                                          BEGIN
                                                          SIGNAL (msg(badparam));
                                                                                                                    ! Signal illegal NICE parameter
                                                          RETURN;
                                                          END:
                                                   IF .i LSS .fields
                                                                                                                    ! If not last field,
                                                          append(' ');
                                                                                                                   ! then delimit fields with a blank
                                                   END:
   1151
```

.PSECT \$PLIT\$, NOWRT, NOEXE, 2

20 42 58 21 04 01158 P.ALL: .ASCII <4>\!XB\\
43 41 21 03 01150 P.ALM: .ASCII <3>\!AC\\

CONSOLE V04-000									1	2 5-Sep-19 5-Sep-19	84 01:31 84 12:28	:10 VAX-11 Bliss-32 V4.0-742 Pa B:46 DISK\$VMSMASTER:[EVL.SRC]CONSOLE.B32;1	ge 61 (7)
					444470270	55555888FFF	21	03333333333 00000000000000000000000000	01161 01165 01169 01160 01171 01175 01179 01170 01181 01185	P.ALN: P.ALQ: P.ALQ: P.ALR: P.ALS: P.ALT: P.ALU: P.ALV: P.ALV:	ASCII	<3>\!XB\ <3>\!UL\ <3>\!SL\ <3>\!XB\ <3>\!XW\ <3>\!XU\ <3>\!OB\ <3>\!OU\ <1>\\	
											.EXTRN	EVL\$_BADPARAM	
											.PSECT	\$CODE\$,NOWRT,2	
				58 58 52	0	000° 04 08	CF AC AC 62	9E 00 00 00 95	00000 00002 00007 0000B 0000F	UNKNOWN	PARAM_D .WORD MOVAB MOVL MOVL TSTB BGEQ BBC EXTZV RRR	ATA: Save R2,R3,R4,R5,R6,R7,R8,R9,R10,R11 P.ALL, R11 STRING, R8 PARAM, PTR (PTR)	: 1447 : 1467 : 1473 : 1475
	5A	07 82		62 06 5A			01 59	E1 11 00 31 918	0001E 00021 00023	1\$: 2\$:	BBC EXTZV BRB MOVL CLRL BRW TSTB	#1, FIELDS 1 24\$	1476 1479 1475 1483 1541
	53	62	F2EB	06 54 7E CF 53	0	900	0125 27 001 0F 648F 054	EF DO 11 9A BB FB D6	00028 00024 00035 00034 00038 0003C 00041 00043	<b>4\$</b> : <b>5\$</b> :	BRB MOVL CLRL BRW TSTB BGEQ EXTZV MOVL BRB MOVZBL PUSHR CALLS INCL CMPL BLEQU DECL MOVAB BRB MOVAB	6\$ #0, #6, (PTR), R3 #1, J 5\$ (J)[PTR], -(SP) #^M <r8,r11> #3, APPEND_STRINGS J, R3</r8,r11>	1491 1493
		16		52 57 62		01 01 05	68 A342 A2 06 57 AB	1B 9E 11 9E 1D 9F	00046 00048 0004F 00051 00055 00059	6\$:	BLEQU DECL MOVAB BRB MOVAB BBC PUSHL PUSHAB	(R8) 1(R3)[PTR], PTR 10\$ 1(PTR), R7  #6, (PTR), 7\$  R7  P.ALM  R8  #3, APPEND_STRINGS (R7), R0 2(R0)[PTR], PTR 10\$	1494 1495 1488 1501 1498 1501
	56	62	F2C7	CF 50 52 04 53 55 54		02	03 67 A042 00 56 67 01 11	DD FB 9A 9E 11 EF DO 12 9A DO 11	00065 00068 0006D 0006F	7\$:	BBC PUSHL PUSHAB PUSHL CALLS MOVZBL MOVAB BRB EXTZV MOVL BNEQ MOVZBL MOVL BRB	#3, APPEND_STRINGS (R7), R0 2(R0)[PTR], PTR 10\$ #0, #4, (PTR), R6 R6, BYTES 11\$ (R7), R5 #1, J 9\$	1502 1498 1507 1508 1511

CONSOLE V04-000				C 2 16-Sep-1984 01:31:10 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:28:46 DISK\$VMSMASTER:[EVL.SRC]CONSOLI	Page 62 .B32;1 (7)
		7E	01 A442 09 A8 58 03 54 54 02 A542 0084	9A 00081 8\$: MOVZBL 1(J)[PTR], -(SP' 9F 00086 PUSHAB P.ALN	; 1513
		F29C CF	03	DD 00089 FB 0008B CALLS	
		55	54	D1 00092 98: CMPL J. R5	
		52	02 A542	D1 00092 9\$: CMPL J, R5 1B 00095 BLEQU 8\$ 9E 00097 MOVAB 2(R5)[PTR], PTR	1514
		04	0084	BLEQU 8\$ 9E 00097 31 0009C 10\$: BRW 22\$ D1 0009F 11\$: CMPL BYTES, #4 1B 000A2 BLEQU 12\$ D0 000A4 MOVL #4, BYTES 78 000A7 12\$: ASHL #3, BYTES, R4 EF 000AB EXTZV #0, R4, (R7), LONGWORD 93 000B0 BITB (PTR), #48 12 000B3 BNEQ 13\$ DD 000B5 PUSHL LONGWORD 9F 000B7 PUSHAB P.ALO 11 000BA BRB 20\$ ED 000C1 EXTV #0, R4, (R7), -(SP) 9F 000C8 EXTV #0, R4, (R7), -(SP) 9F 000C8 PUSHAB P.ALP 11 000CB BRB 20\$ ED 000CD 14\$: CMPZV #4, #2, (PTR), #1 BRB 20\$ ED 000CD 14\$: CMPZV #4, #2, (PTR), #2 12 000D2 BNEQ 17\$ CMPL BYTES, #1	; 1514 ; 1508 ; 1517
		53	53 03 03 00 62 07 55 00 AB 58 04	1B 000A2 BLEQU 12\$ DO 000A4 MOVL #4, BYTES	
55	54 67	53 53 54 30	03	DO 000A4 MOVL #4, BYTES 78 000A7 12\$: ASHL #3, BYTES, R4 FF 000AB FXTZV #0, R4, (R7), LONGWORD	1519 1520
		30	62	93 000B0 BITB (PTR), #48	1524
			OD AB	DD 000B5 PUSHL LONGWORD 9F 000B7 PUSHAB P.ALO	
01	42	02	SB	11 000BA BRB 20\$	1525
01	62	02	0A	ED 000BC 13\$: CMPZV #4, #2, (PTR), #1 12 000C1 BNEQ 14\$	1525
7E	67	54	11 AB	EE 000C3 EXTV #0, R4, (R7), -(SP) 9F 000C8 PUSHAB P.ALP	
02	62	02	4A 04	11 000CB BRB 20\$ ED 000CD 14\$: CMPZV #4, #2, (PTR), #2	1526
		01	1F 53	12 000D2 BNEQ 17\$ D1 000D4 CMPL BYTES, #1	1527
			07 55	12 000D2 D1 000D4 CMPL BYTES, #1 12 000D7 BNEQ 15\$ DD 000D9 PUSHL LONGWORD PUSHAB P.ALQ 11 000E0 BRB 20\$ D1 000E0 D1 000E5 PUSHL LONGWORD PUSHAB P.ALR 11 000EA BRB 20\$ DD 000EC 16\$: PUSHL LONGWORD PUSHAB P.ALR 11 000EA BRB 20\$ DD 000EC 16\$: PUSHL LONGWORD PUSHAB P.ALR 11 000EA BRB 20\$ DD 000EC 16\$: PUSHL LONGWORD PUSHAB P.ALS 11 000F1 BRB 20\$ BRB 20\$ DD 000EC 16\$: PUSHL LONGWORD PUSHAB P.ALS 11 000F1 BRB 20\$ BRB 20\$ CMPL BYTES, #1	
			15 AB	9F 000DB PUSHAB P.ALQ	
		02	53	D1 000E0 15\$: CMPL BYTES, #2	1528
			10 55	DD 000E5 PUSHL LONGWORD	
			19 AB	11 000EA BRB 20\$	
			1D AB	DD 000EC 16\$: PUSHL LONGWORD 9F 000EE PUSHAB P.ALS	1529
03	62	02	04	11 000F1 BRB 20\$ ED 000F3 17\$: CMPZV #4, #2, (PTR), #3 12 000F8 BNEQ 21\$	1531
		01	19 AB 2B 55 1D AB 24 04 24 53	12 000F8 BNEQ 21\$ D1 000FA CMPL BYTES, #1	1532
			07 55 21 AB	12 000FD BNEQ 18\$ DD 000FF PUSHL LONGWORD	
			21 AB	DD 000FF PUSHL LONGWORD 9F 00101 PUSHAB P.ALT 11 00104 BRB 20\$ D1 00106 18\$: CMPL BYTES, #2 12 00109 BNEQ 19\$ DD 0010B PUSHL LONGWORD 9F 0010D PUSHAB P.ALU 11 00110 BRB 20\$	
		02	53	D1 00106 18\$: CMPL BYTES, #2	1533
			35 55	DD 0010B PUSHL LONGWORD	
			25 AB 05 55	11 00110 BRB 20\$	
			29 AB	D1 000FA	1534
		F20E CF	29 AB 58 03 01 A642 08 AC	DD 00112 19\$: PUSHL LONGWORD 9F 00114 PUSHAB P.ALV DD 00117 20\$: PUSHL R8 FB 00119 CALLS #3, APPEND_STRINGS 9E 0011E 21\$: MOVAB 1(R6)[PTR], PTR C3 00123 22\$: SUBL3 PARAM, PTR, R0	
	50	F20E CF 52 52	01 A642 08 AC	FB 00119	1537 1541

CONSOLE V04-000							16:	-Sep-1 -Sep-1	984 01:31 984 12:28	:10	VAX-11 Bliss-32 V4.0-742 DISK\$VMSMASTER: [EVL.SRC]CONSC	DLE.B32;1 (7
		OC	AC		50 0E	D1 18	00128		CMPL BLEQU	RO .	MAXLEN	1
		000000006	00 00	0000000	8F 01	FB	0012E 00134		PUSHL	#EVL	MAXLEN LS BADPARAM LIBSSIGNAL	1544
			5A		59 0A	D1	0013B 0013C	23\$:	CMPL		FIELDS	154
				20	AB 58	9F DD	00141		PUSHAB	P.AL	LW	1550
FED5	59	F1E1	CF 01		02 5A	FB F1 04	00146 0014B 00151	248:	CMPL BLEQU PUSHL CALLS RET CMPL BGEQ PUSHAB PUSHL CALLS ACBL RET	#2 FIÉL	APPEND_STRINGS LDS, #1, I, 3\$	148
. Dautina Cina.	770			econes		. 77						

; Routine Size: 338 bytes, Routine Base: \$CODE\$ + OF37

, .

```
ER
```

```
VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [EVL.SRC]CONSOLE.B32;1
CONSOLE
VO4-000
 1153
1154
1155
1156
1157
1158
1159
1161
1163
1164
1165
1168
1169
1170
                               ROUTINE format_counter (string, param, maxlen): NOVALUE =
                                          format a NICE counter and append the
                                          descriptive text to a given string.
                                  Inputs:
                                          string = Address of descriptor of existing string param = Address of longword containing pointer to counter
                                          maxlen = Maximum length that the parameter may be
                                  Outputs:
                                          param = Address of longword pointing to location following counter
                               BEGIN
  1171
  1172
  1173
                               BIND
  1174
                                                                        ! Address of string descriptor
                                     desc = .string: VECTOR;
  1175
                               LOCAL
  1176
                                                    REF $BBLOCK,
  1177
                                                                            Address of counter
                                     ptr:
                                                                             Counter type
  1178
                                     type.
  1179
                                     count,
                                                                             Actual counter value
                                                                            Width of counter field
  1180
                                     width:
  1181
  1182
1183
                               ptr = ..param;
                                                                          ! Get address of counter
  1184
                               width = 4 ^ .ptr [0.13.2.0]:
                                                                          ! Get the counter width
                               IF .ptr [0,12,1,0] THEN
  1186
1187
1188
                                                                         ! If bit mapped,
                                     BEGIN
                                    count = .ptr [4,0,.width,0];
.param = .ptr + 4 + .width/8;
END
  1189
                                                                                    ! Get unsigned counter
  1190
                                                                                    ! Update next position
  1191
  1192
1193
1194
1195
1196
1197
                               ELSE
                                    count = .ptr [2,0,.width,0];
.param = .ptr + 2 + .width/8;
END;
                                                                                     ! Get unsigned counter
                                                                                    ! Update next position
  1198
1199
1200
1201
1202
1203
1204
1205
1206
1207
1208
1209
                               append('!10UL '..count);
                                                                          ! Append the count value
                      1600
                                type = .ptr [0,0,11,0];
                                                                          ! Get counter type
                                                                                    ! Scan known event table
                                INCRA ptr FROM known_counters BY 6
                     1604
1605
1606
1607
                                     BEGIN
                                     MAP ptr: REF $BBLOCK;
IF ..ptr EQL 0
THEN
                                                                                    ! If end of table,
                                          append('Unknown counter type !UL',.type);
```

```
CONSOLE
VO4-000
                                                                                                                             16-Sep-1984 01:31:10
14-Sep-1984 12:28:46
                                                                                                                                                                           VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[EVL.SRC]CONSOLE.B32;1
                                                              EXITLOOP;
END;
                                1611
1613
1614
1615
1616
1617
1618
                                                                                                                             ! then exit with failure
                                                             type EQLU .ptr [0,0,16,0]
                                                                                                                            ! If known counter,
                                                              BEGIN
                                                              LOCAL
                                                                                             VECTOR [128,BYTE], ! Message text buffer VECTOR [2]; ! Message text descriptor
                                                                      textbuf:
                                                             text: VECTOR [2];

text [0] = 128;

text [1] = textbuf;

$GETMSG(MSGID = .ptr [2,0,32,0],

BUFADR = text,

MSGLEN = text,

FLAGS = 1);

append('!AS', text);

EXITLOOP:
                                                                                                                               Setup descriptor
                                                                                                                                            ! Get message text
                                                                                                                            ! without any prefixing
                                                              EXITLOOP:
                                                              END;
                                                      END:
                                              END:
                                                                                                                                                .PSECT $PLIT$, NOWRT, NOEXE, 2
                                                                                                                    01187 P.ALX:
0118F P.ALY:
0119E
011A8 P.ALZ:
                                                                                     30
6B
79
53
                                                              20
77
20
                                                                                                                                                               <7>\!10UL \
                                                                                                                                                               <24>\Unknown counter type !UL\
                                                                                                                                                .ASCII <3>\!AS\
                                                                                                                                                .PSECT $CODE$, NOWRT, 2
                                                                                                           000C 00000 FORMAT_COUNTER:
                                                                                                                                                              Save R2,R3
-136(SP), SP
aPARAM, PTR
#13, #2, (PTR), WIDTH
WIDTH, #4, WIDTH
#8, WIDTH, R1
PTR, R1
#12, (PTR), 1$
#0, WIDTH, 4(PTR), COUNT
4(R1), aPARAM
25
                                                                                                                                                 . WORD
                                                                                                                                                                                                                                                        1554
                                                                                         FF78
08
                                                                                                                                                MOVAB
                                                                            5E20405120
                                                                                                              9E 0 E 7 C 0 E F 9 E 1 1
                                                                                                       CEC0505000100013FCC000F283
                                                                                                                     00007
                                                                                                                                                                                                                                                         1583
1585
                                                                                                                                                MOVL
                                                62
50
51
                     50
                                                                                                                     0000B
                                                                                                                                                EXTZV
                                                                                                                                                ASHL
DIVL3
                                                                                                                                                                                                                                                         1591
                                                                                                                                                ADDL2
                                                                                                                                                                                                                                                        1587
1590
1591
1587
1595
                                                                                                                                                BBC
                                                                                                                                                EXTZV
                     53
                                      04
                                                                  08
                                                                                             04
                                                                            BC
                                                                                                                                                MOVAB
                                                                                                                    00025
0002A
0002C
00032
00037
00039
0003D
00040
00045
0004A
0004F
00053
                                                                                                                                                BRB
EXTZV
                                                                                                                                                              25
#0, WIDTH, 2(PTR), COUNT
2(R1), aparam
                     53
                                      02
                                                                                                              EFEDF DB EFE D 12D
                                                A2
                                                                  08
                                                                                             02
                                                                           BC
                                                                                                                                                MOVAB
                                                                                                                                                PUSHL
PUSHAB
                                                                                                                                                                COUNT
                                                                                         0000
                                                                                                                                                               P.ALX
                                                                                                                                                PUSHL
                                                                                                                                                                STRING
                                                                                                                                                               #3, APPEND STRINGS
#0, #11, (PTR), TYPE
KNOWN_COUNTERS, R2
                                                              F195
                                                                                                                                                CALLS
                                                                                                                                                                                                                                                        1601
1603
1607
                     53
                                                62
                                                                                         0000
                                                                                                                                                MOVAB
                                                                                                                                                TSTL
BNEQ
                                                                                                                                                                (PTR)
                                                                                                                                                PUSHL
                                                                                                                                                               TYPE
                                                                                                                                                                                                                                                        1610
```

ERI

CONSOLE V04-000		G 2 16-Sep-1984 01:31:10 VAX-11 Bliss-32 V4.0-742 Page 14-Sep-1984 12:28:46 DISK\$VMSMASTER:[EVL.SRCJCONSOLE.B32;1	(8)
53	62 10 04 AE 7E 00000000G 00 F14E CF 52	80 8F 9A 00062 MOVZBL #128, TEXT 08 AE 9E 00066 MOVAB TEXTBUF, TEXT+4 01 7D 0006B MOVQ #1, -(SP) 08 AE 9F 0006E PUSHAB TEXT 0C AE 9F 00071 PUSHAB TEXT 02 A2 DD 00074 PUSHL 2(PTR) 05 FB 00077 CALLS #5, SYS\$GETMSG 5E DD 0007E PUSHL SP 10000' CF 9F 00080 PUSHAB P.ALZ 04 AC DD 00084 5\$: PUSHL STRING 03 FB 00087 CALLS #3, APPEND STRINGS	1613 1619 1620 1624 1625 1615 1603

; Routine Size: 146 bytes, Routine Base: \$CODE\$ + 1089

```
H 2
16-Sep-1984 01:31:10
14-Sep-1984 12:28:46
CONSOLE
VO4-000
                                                                                                                                             VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[EVL.SRC]CONSOLE.B32;1
                                       GLOBAL ROUTINE format_nodeadr(address) =
   11233456789012344567890123556789012366678901237777
11233767890123446789012355567890123666789012377777
1123376789012344567890123555678901236667890123777777
                                                    This routine formats a 16-bit node address into an formatted ASCII string of the form <area>.<node>.
                                                    If the area number is zero, then the area portion
                                                    is omitted.
                                          Inputs:
                                                   address = 16-bit node address
                                         Outputs:
                                                   Routine = Address of descriptor of string describing address
                                                   Since the string & descriptor is stored in OWN storage, it must be copied immediately after returning (with a standard routine such as "append").
                                      BEGIN
                                                                VECTOR [40.BYTE],
VECTOR [2];
                                             string:
                                                                                                       ! Formatted node address string
                                                                                                       ! FAO result string descriptor
                                             desc:
                                      desc [0] = 40;
desc [1] = string;
                                                                                                       ! Setup descriptor for FAO
                                      IF .address <10,6,0> EQL 0
                                                                                                       ! If area = 0,
                                      THEN
                         1663
1664
1665
1666
1667
1668
1669
1670
                                             SFAO(%ASCID '!UL',
                                                                                                       ! Format only node
                                                   desc, desc,
.address <0,10,0>)
                                      ELSE
                                             SFAO(%ASCID '!UL.!UL',
                                                                                                       ! Format area and node
                                                   desc, desc,
.address <10,6.0>,
.address <0,10,0>);
                                      RETURN desc:
                                      END:
                                                                                                                        .PSECT $PLIT$, NOWRT, NOEXE, 2
```

00 4C 55 21 011AC P.AMB: .ASCII \!UL\<0>
010E0003 011B0 P.AMA: .LONG 17694723
000000000 011B4 .ADDRESS P.AMB
00 4C 55 21 2E 4C 55 21 011B8 P.AMD: .ASCII \!UL.!UL\<0>
010E0007 011C0 P.AMC: .LONG 17694727
000000000 011C4 .ADDRESS P.AMD

ERI

CONSOLE V04-000								1	I 2 6-Sep-19 4-Sep-19			e (8)
								00000	STRING: DESC:	.PSECT	\$0WN\$,NOEXE,2	
								00020	DESC.	.EXTRN		
										.PSECT	\$CODE\$,NOWRT,2	
					53 00000	0006	0000	00000		.ENTRY MOVAB	FORMAT_NODEADR, Save R2,R3 SYS\$FAD, R3 ;	1631
				04 FC	53 000000 52 00 62 A2 8F	D8 05	0000 00 96 CF 96 28 DO A2 96 AC 93	00009 0000E 00011 00016 0001B 0001D 00025 00027		MOVAB MOVAB BITB	FORMAT NODEADR, Save R2,R3 SYS\$FAO, R3 DESC, R2 #40, DESC STRING, DESC+4 ADDRESS+1, #252	1659 1660 1662
	7E	04	AC		OA		13 12 00 EF 52 DE 52 DE CF 9F	0001B 0001D 00023		BNEQ EXTZV PUSHL	1\$ #0, #10, ADDRESS, -(SP) R2 R2	1666
					63	000	00 EF 52 DC 52 DC CF 9F 04 FE	00025 00027 00028		PUSHAB CALLS	RZ P.AMA M4. SYS\$FAO 2\$	
	7E 7E	04 05	AC AC		0A 06			0002E 00030 00036 0003C	15:	EXTZV EXTZV PUSHL	#0, #10, ADDRESS, -(SP) #2, #6, ADDRESS+1, -(SP) R2	1671
					63 50	000	00 EF 02 EF 52 DC 52 DC CF 9F 05 FE 62 9E	00030 00036 00036 00036 00040 00044 00047	28:	MOVAB MOVAB MOVAB BITB BNEQ EXTZV PUSHL PUSHAB CALLS BRB EXTZV PUSHL PUSHAB CALLS MOVAB RET	#0, #10, ADDRESS, -(SP) #2, #6, ADDRESS+1, -(SP) R2 R2 P.AMC #5, SYS\$FAO DESC, R0	1673 1675

; Routine Size: 75 bytes, Routine Base: \$CODE\$ + 111B

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CONSOLE VO4-000 16-Sep-1984 01:31:10 14-Sep-1984 12:28:46 VAX-11 Bliss-32 V4.0-742 Pa DISK\$VMSMASTER:[EVL.SRC]CONSOLE.B32;1 : 1277 : 1278 1 END 0 ELUDOM .EXTRN LIB\$SIGNAL PSECT SUMMARY Name Bytes Attributes 4552 4454 48 NOVEC, NOWRT, RD , NOEXE, NOSHR, LCL, NOVEC, NORT, RD , EXE, NOSHR, LCL, NOVEC, WRT, RD , NOEXE, NOSHR, LCL, REL, REL, REL, CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(2) **SPLITS** \$CODE\$ SOWNS Library Statistics Symbols -----Pages Processing File Total Loaded Percent Mapped Time 9776 \_\$255\$DUA28:[SYSLIB]STARLET.L32:1 \_\$255\$DUA28:[SHRLIB]NMALIBRY.L32:1 \_\$255\$DUA28:[EVL.OBJ]EVCDEF.L32;1 10 122 133 581 47 15 00:01.1 00:00.7 00:00.1

Page

(10)

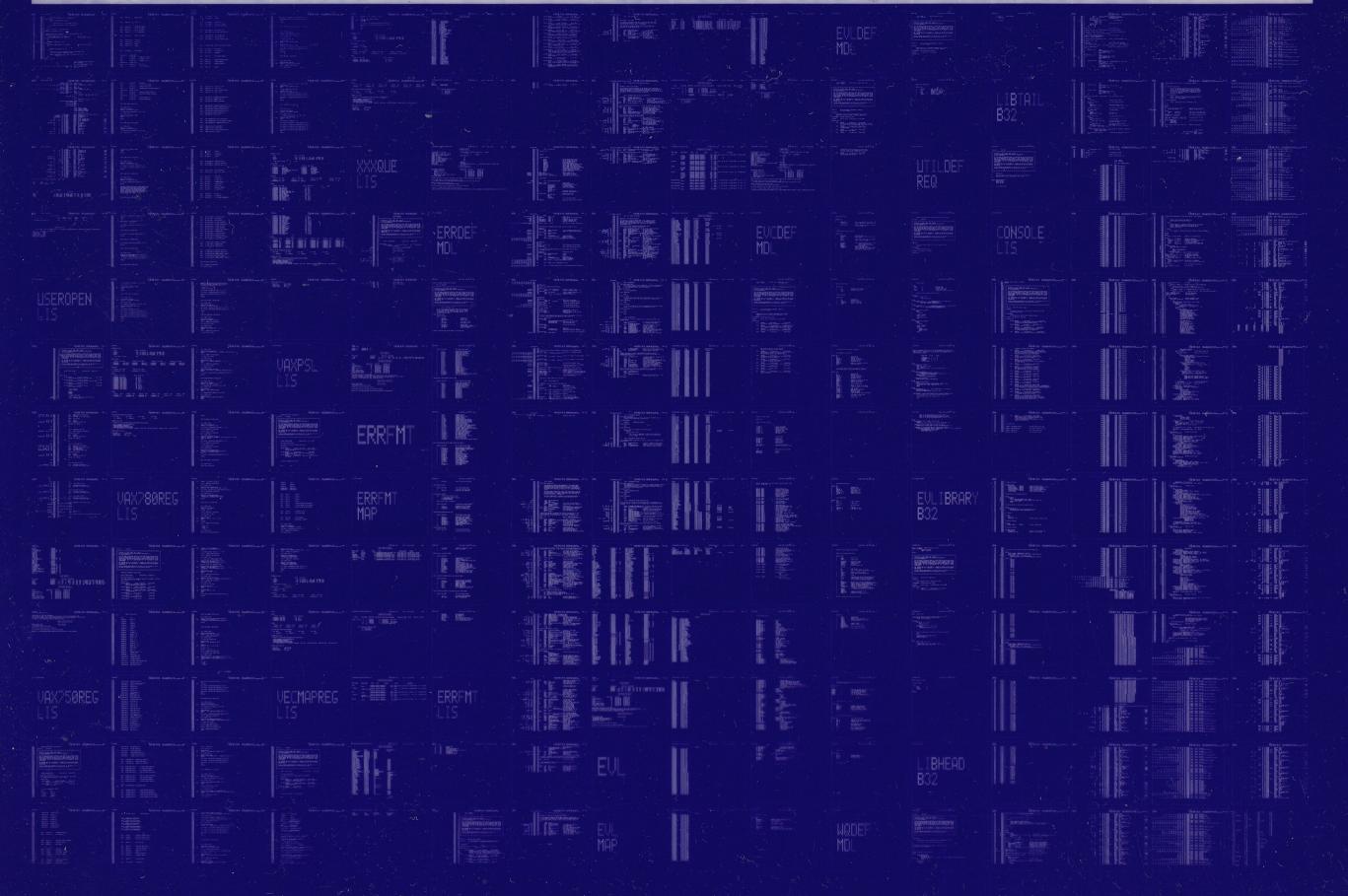
## COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$: CONSOLE/OBJ=OBJ\$: CONSOLE MSRC\$: CONSOLE/UPDATE=(ENH\$: CONSOLE)

Size: 4454 code + 4600 data bytes
Run Time: 01:35.1
Elapsed Time: 03:25.5
Lines/CPU Min: 1057
Lexemes/CPU-Min: 23866
Memory Used: 1000 pages
Compilation Complete

0155 AH-BT13A-SE

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